

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054406.D
 Acq On : 18 Mar 2019 21:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1130902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1792374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1564607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	739363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	622640	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	7.59	113	593805	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	10.09	98	2140173	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	730105	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	546202	50.961	ug/l	98
3) Chloromethane	2.06	50	530996	51.002	ug/l	99
4) Vinyl Chloride	2.19	62	577222	48.507	ug/l	99
5) Bromomethane	2.57	94	332036	40.288	ug/l	97
6) Chloroethane	2.71	64	346066	48.065	ug/l	99
7) Trichlorofluoromethane	3.02	101	748196	47.291	ug/l	99
8) Diethyl Ether	3.41	74	386937	53.669	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	614259	51.811	ug/l	99
10) Methyl Iodide	3.94	142	799467	47.559	ug/l	100
11) Tert butyl alcohol	4.82	59	200513	243.532	ug/l	98
12) 1,1-Dichloroethene	3.73	96	599014	50.985	ug/l	99
13) Acrolein	3.61	56	193478	247.986	ug/l	98
14) Allyl chloride	4.31	41	766960	50.879	ug/l	99
15) Acrylonitrile	4.99	53	975668	288.481	ug/l	100
16) Acetone	3.82	43	692731	201.446	ug/l	98
17) Carbon Disulfide	4.04	76	1262016	42.849	ug/l	99
18) Methyl Acetate	4.33	43	463567	66.630	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1584303	54.403	ug/l	100
20) Methylene Chloride	4.54	84	609722	53.999	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	591070	52.507	ug/l	100
22) Diisopropyl ether	5.96	45	1695655	56.362	ug/l	98
23) Vinyl Acetate	5.90	43	5971034	269.182	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1059081	54.826	ug/l	99
25) 2-Butanone	6.85	43	1136136	281.494	ug/l	98
26) 2,2-Dichloropropane	6.82	77	721468	42.470	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	698706	55.637	ug/l	98
28) Bromochloromethane	7.19	49	426879	54.055	ug/l	98
29) Tetrahydrofuran	7.22	42	734646	283.094	ug/l	99
30) Chloroform	7.37	83	1132930	56.204	ug/l	100
31) Cyclohexane	7.65	56	909799	50.386	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	952438	52.318	ug/l	99
36) 1,1-Dichloropropene	7.79	75	822232	49.813	ug/l	100
37) Ethyl Acetate	6.94	43	498513	52.562	ug/l	99
38) Carbon Tetrachloride	7.77	117	832452	48.091	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	929588	45.772	ug/l	99
40) Benzene	8.04	78	2480188	52.508	ug/l	100
41) Methacrylonitrile	7.17	41	281051	51.900	ug/l	96
42) 1,2-Dichloroethane	8.12	62	814797	51.094	ug/l	99
43) Isopropyl Acetate	8.17	43	835998	50.217	ug/l	98
44) Trichloroethene	8.83	130	746978	50.908	ug/l	98
45) 1,2-Dichloropropane	9.12	63	631621	53.853	ug/l	100
46) Dibromomethane	9.21	93	410417	51.790	ug/l	99
47) Bromodichloromethane	9.40	83	834438	52.524	ug/l	99
48) Methyl methacrylate	9.20	41	445424	52.723	ug/l	96
49) 1,4-Dioxane	9.20	88	135308	1132.276	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2469381	280.294	ug/l	98
52) Toluene	10.16	92	1577117	52.659	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	774237	42.903	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	927660	50.109	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	590895	54.033	ug/l	97
56) Ethyl methacrylate	10.43	69	707751	54.277	ug/l	95
57) 1,3-Dichloropropane	10.71	76	973081	54.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1367480	242.285	ug/l	99
59) 2-Hexanone	10.75	43	1531629	261.275	ug/l	97
60) Dibromochloromethane	10.90	129	645960	52.479	ug/l	100
61) 1,2-Dibromoethane	11.01	107	592075	53.277	ug/l	100
64) Tetrachloroethene	10.63	164	742714	49.097	ug/l	98
65) Chlorobenzene	11.43	112	1815700	52.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	666772	53.427	ug/l	99
67) Ethyl Benzene	11.51	91	2969615	52.146	ug/l	100
68) m/p-Xylenes	11.62	106	2332883	104.810	ug/l	100
69) o-Xylene	11.95	106	1153649	53.169	ug/l	98
70) Styrene	11.96	104	1831540	53.822	ug/l	100
71) Bromoform	12.13	173	418907	44.314	ug/l #	100
73) Isopropylbenzene	12.25	105	2993892	50.612	ug/l	100
74) N-amyl acetate	12.07	43	688752	52.456	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	688605	54.638	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	809838	74.484	ug/l #	100
77) Bromobenzene	12.53	156	803626	51.340	ug/l	99
78) n-propylbenzene	12.59	91	3250515	50.642	ug/l	100
79) 2-Chlorotoluene	12.67	91	1979295	51.287	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2458803	49.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131945	41.484	ug/l	91
82) 4-Chlorotoluene	12.77	91	1955782	50.752	ug/l	99
83) tert-Butylbenzene	12.99	119	2229444	49.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2488295	51.549	ug/l	100
85) sec-Butylbenzene	13.17	105	2776971	47.281	ug/l	100
86) p-Isopropyltoluene	13.29	119	2457796	47.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1362104	51.642	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1329607	51.315	ug/l	99
89) n-Butylbenzene	13.61	91	1845819	47.147	ug/l	100
90) Hexachloroethane	13.87	117	382555	44.838	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1367083	53.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	101546	52.069	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

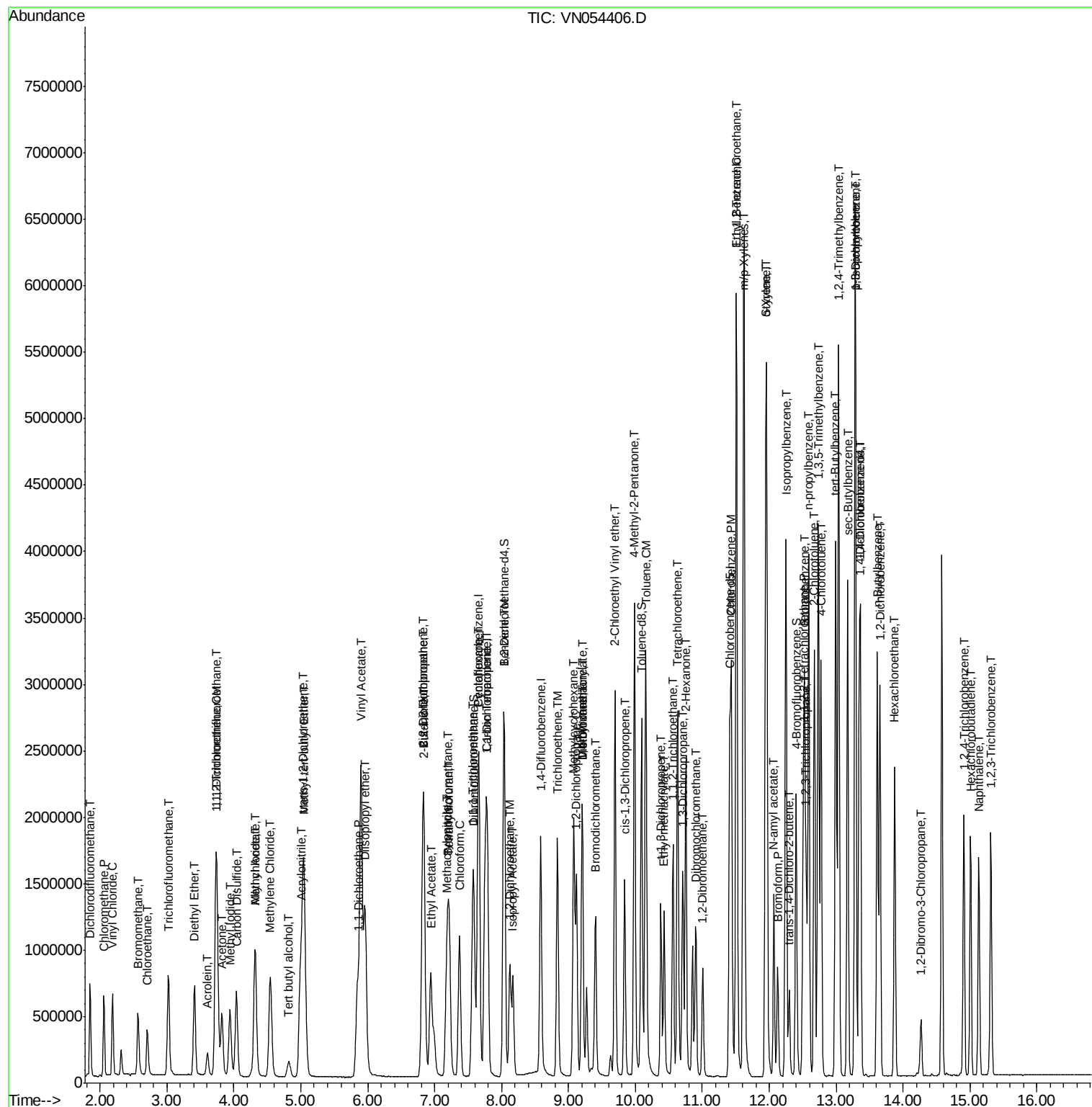
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	690982	44.670	ug/l	99
94) Hexachlorobutadiene	15.01	225	394934	40.212	ug/l	100
95) Naphthalene	15.13	128	1493639	46.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	693003	50.584	ug/l	100

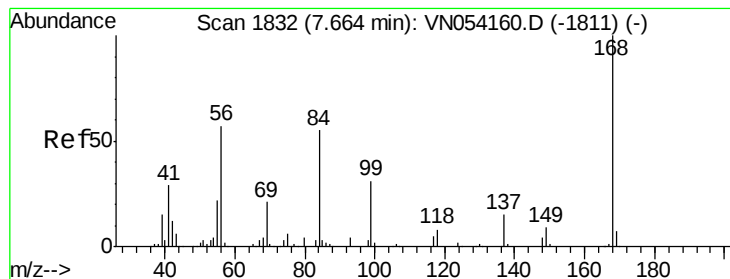
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

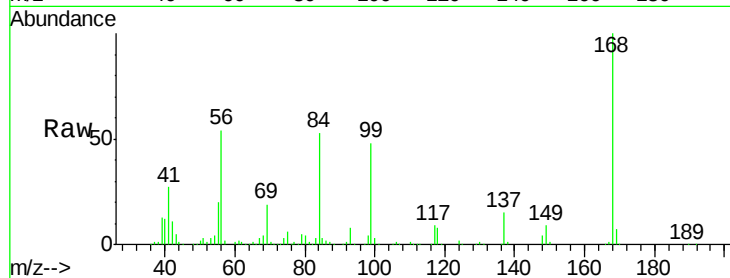
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1130902

Ion Ratio Lower Upper

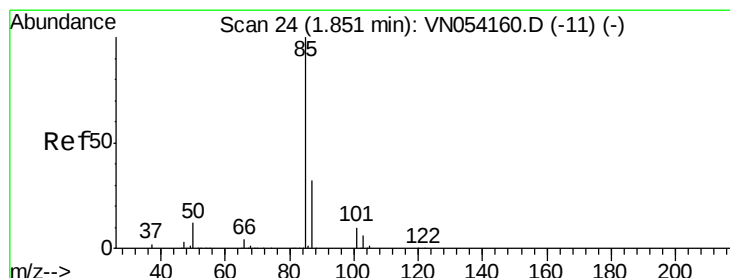
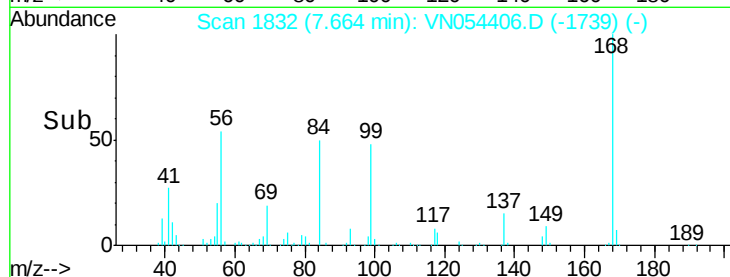
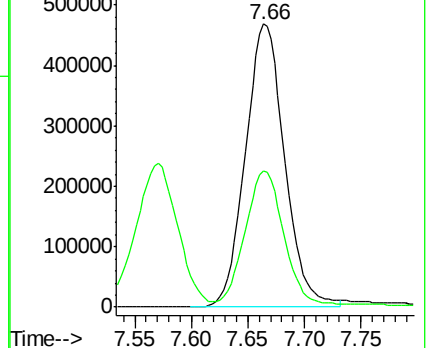
168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.961 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054406.D

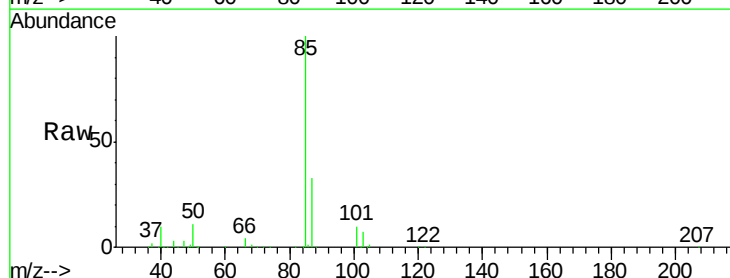
Acq: 18 Mar 2019 21:17

Tgt Ion: 85 Resp: 546202

Ion Ratio Lower Upper

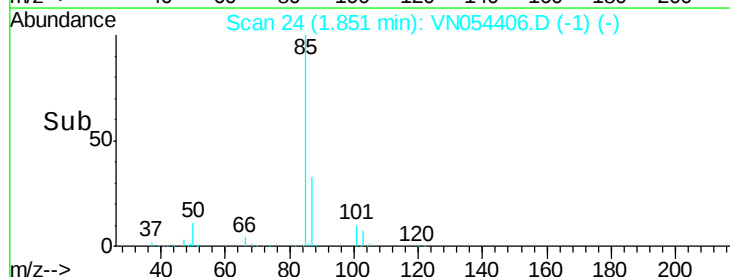
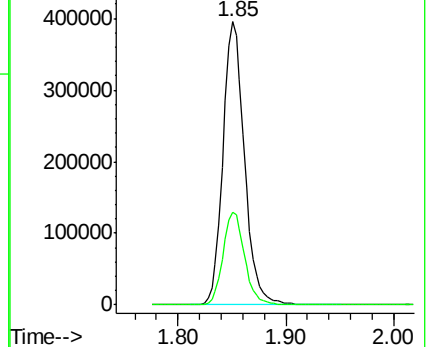
85 100

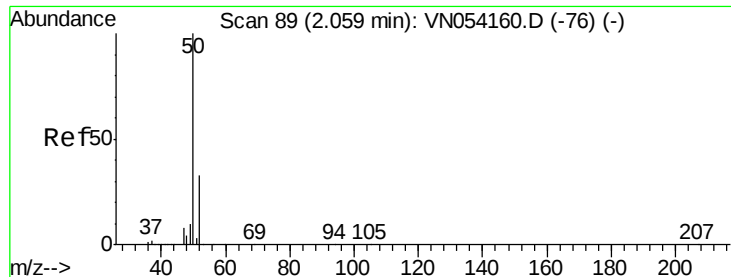
87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.002 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

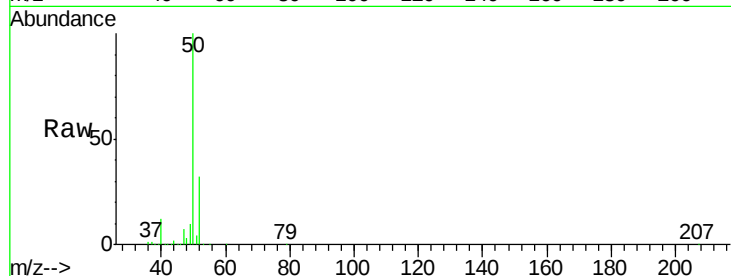
ClientSampleId :

Tot Ion: 50 Resp: 530996

Ion Ratio Lower Upper

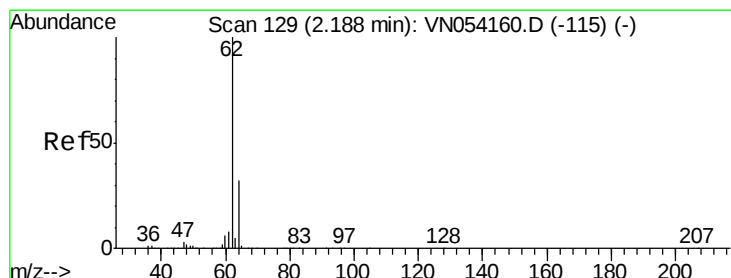
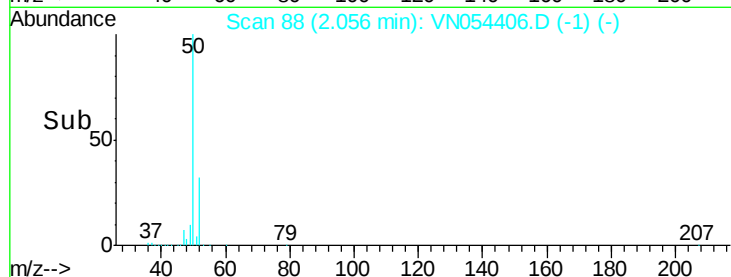
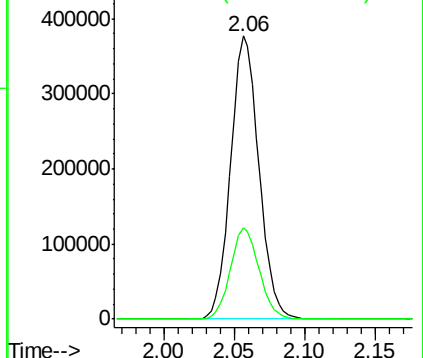
50 100

52 32.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.507 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054406.D

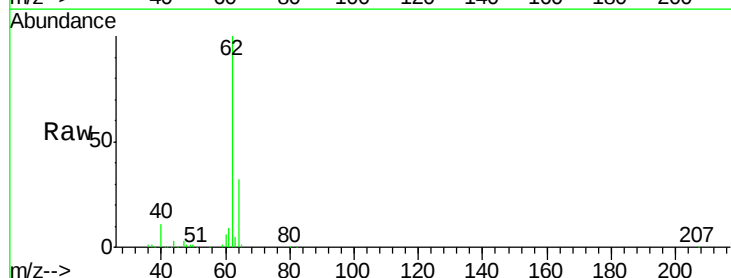
Acq: 18 Mar 2019 21:17

Tgt Ion: 62 Resp: 577222

Ion Ratio Lower Upper

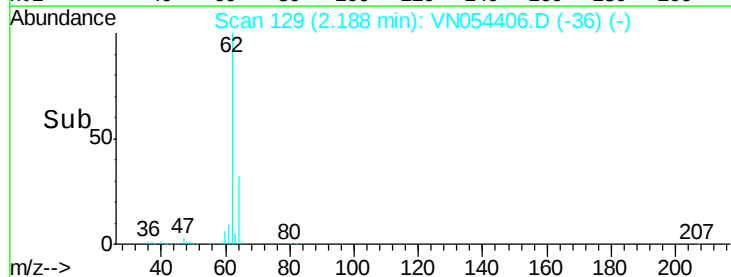
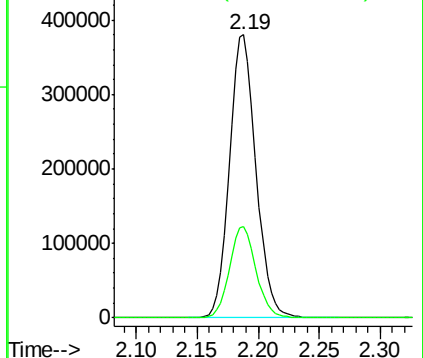
62 100

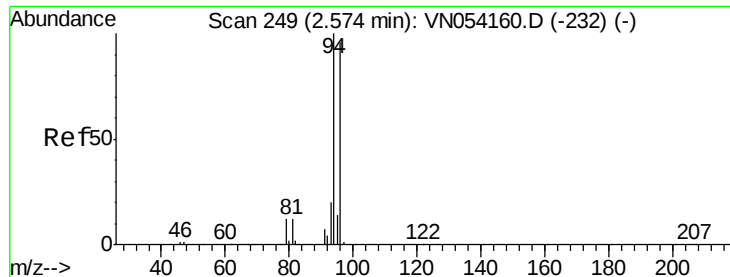
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 40.288 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

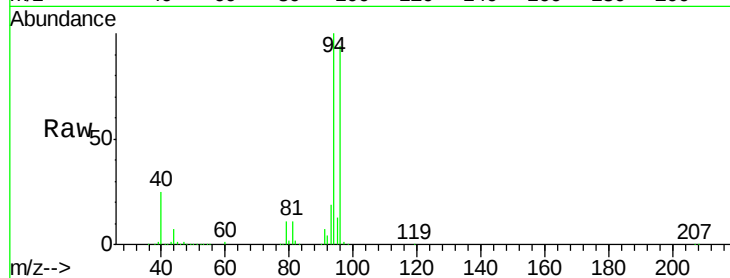
ClientSampleId :

Tot Ion: 94 Resp: 332036

Ion Ratio Lower Upper

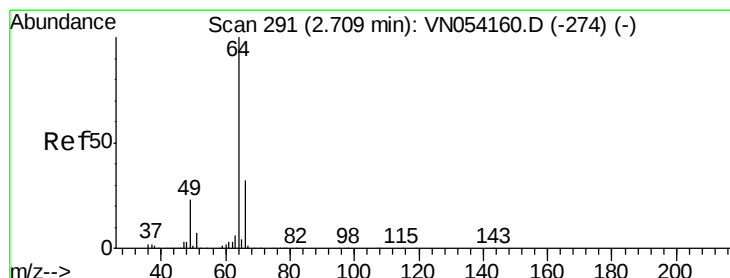
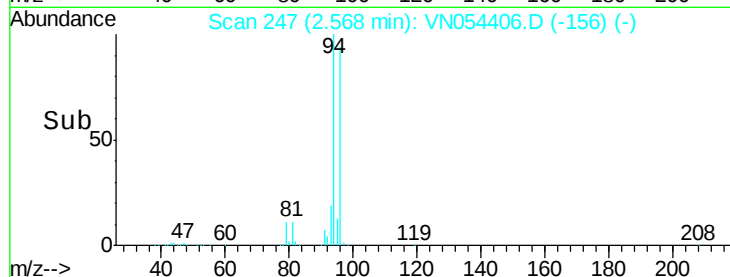
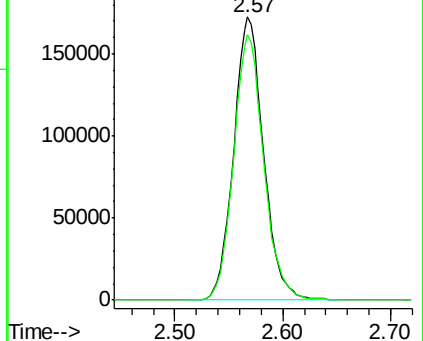
94 100

96 93.7 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.065 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054406.D

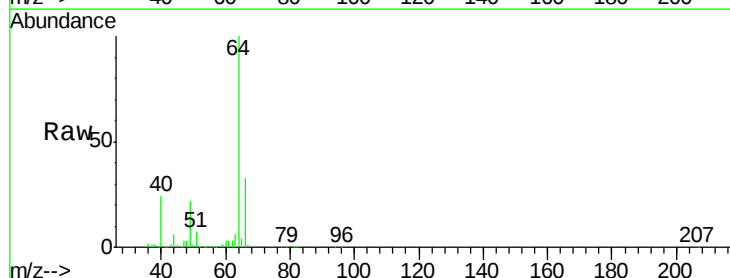
Acq: 18 Mar 2019 21:17

Tgt Ion: 64 Resp: 346066

Ion Ratio Lower Upper

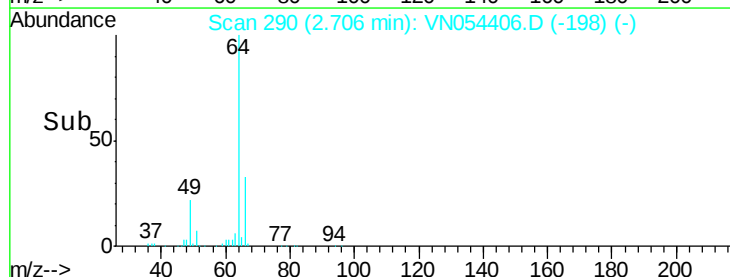
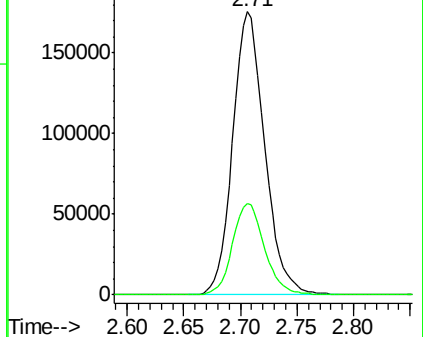
64 100

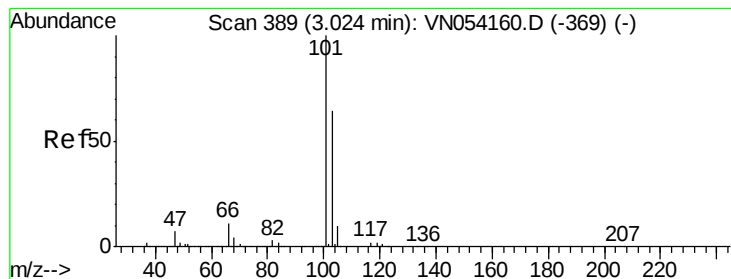
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



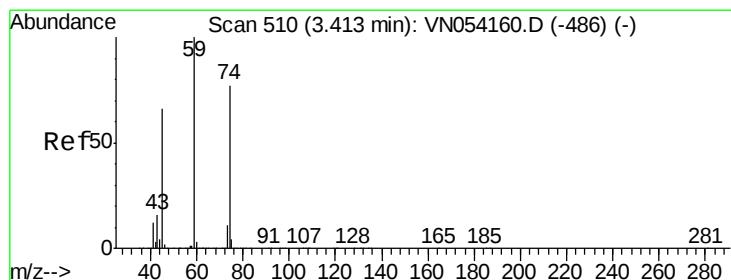
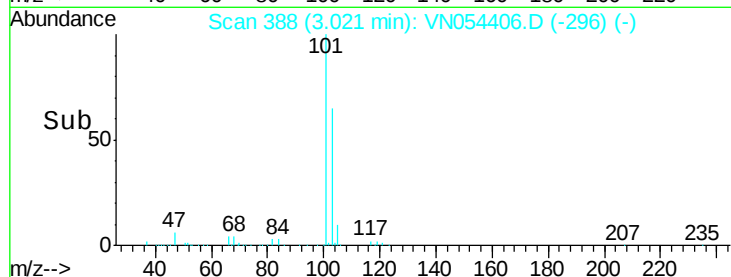
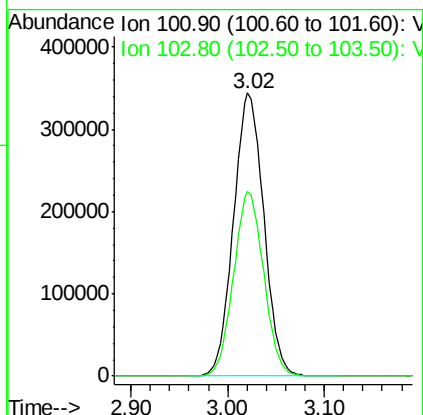
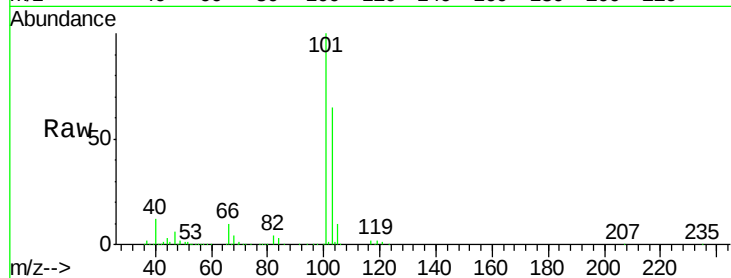


#7

Trichlorofluoromethane
 Concen: 47.291 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
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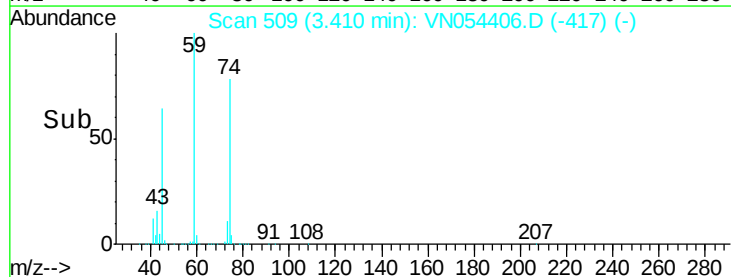
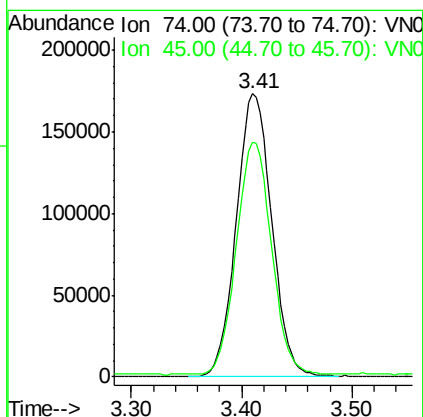
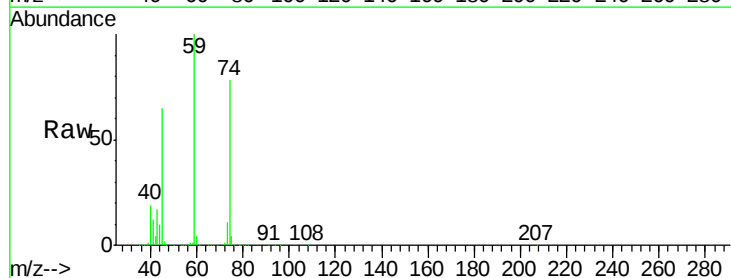
Tot Ion:101 Resp: 748196
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2

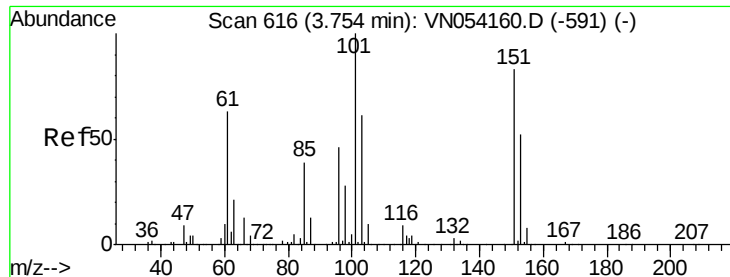


#8

Diethyl Ether
 Concen: 53.669 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 74 Resp: 386937
 Ion Ratio Lower Upper
 74 100
 45 80.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.811 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

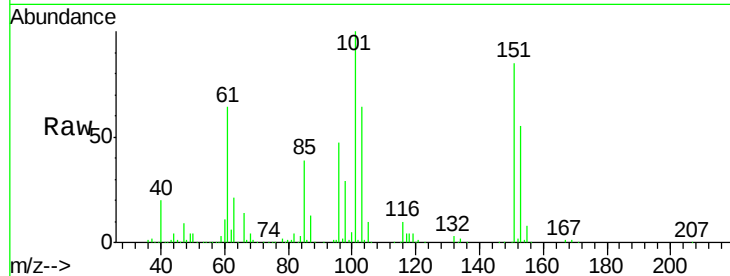
Tot Ion:101 Resp: 614259

Ion Ratio Lower Upper

101 100

85 39.4 32.4 48.6

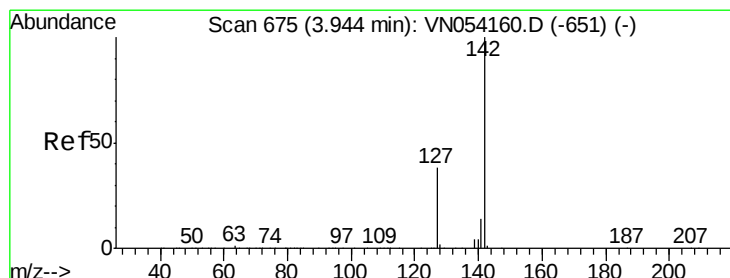
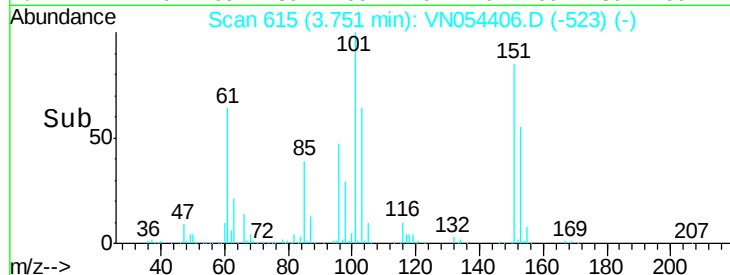
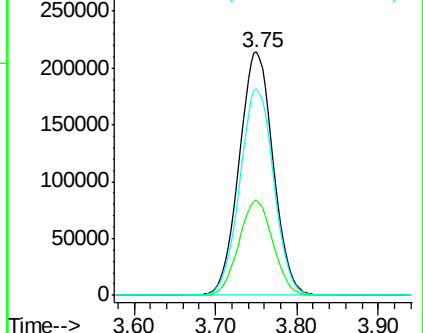
151 85.1 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.559 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

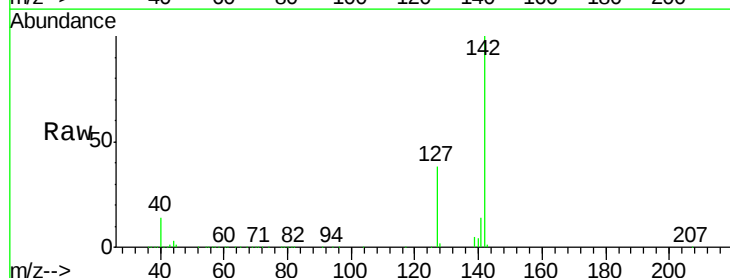
Tgt Ion:142 Resp: 799467

Ion Ratio Lower Upper

142 100

127 38.0 30.3 45.5

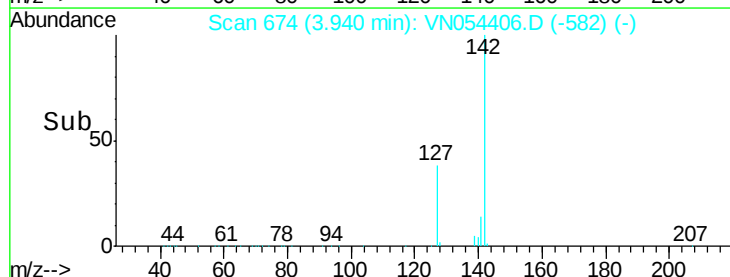
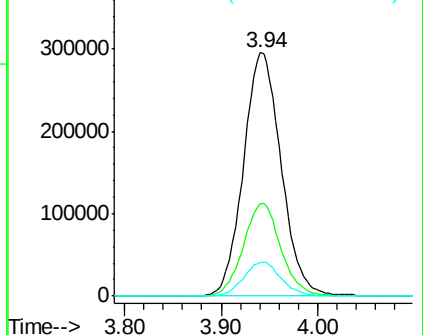
141 13.9 11.2 16.8

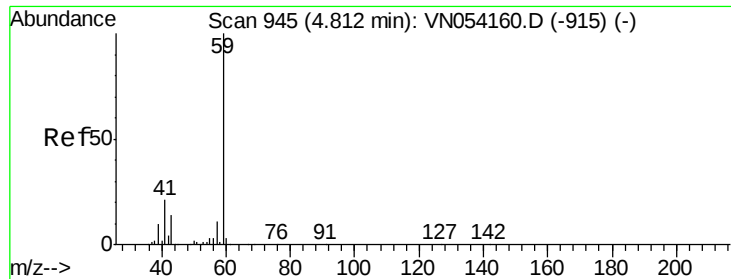


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



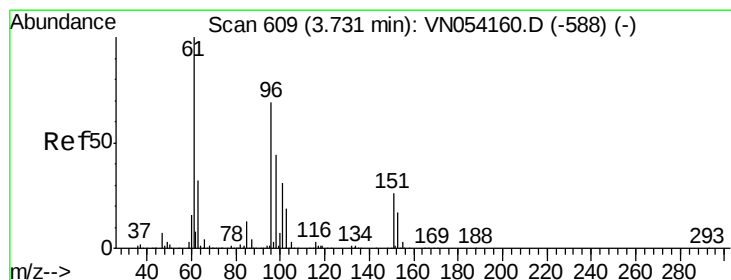
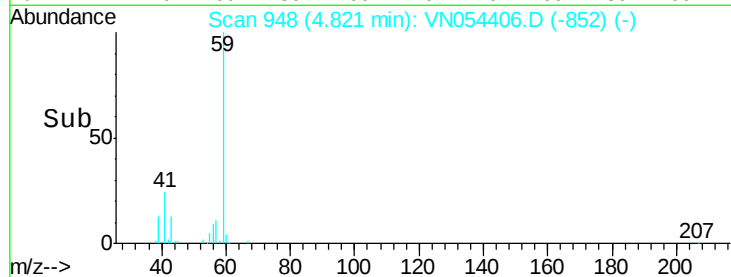
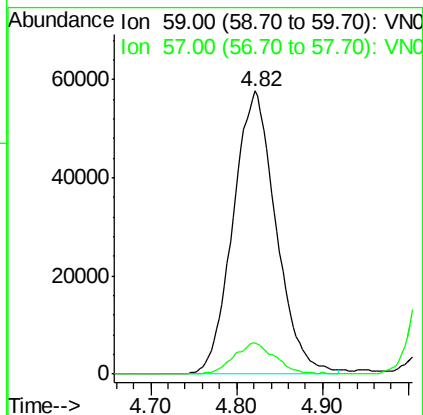
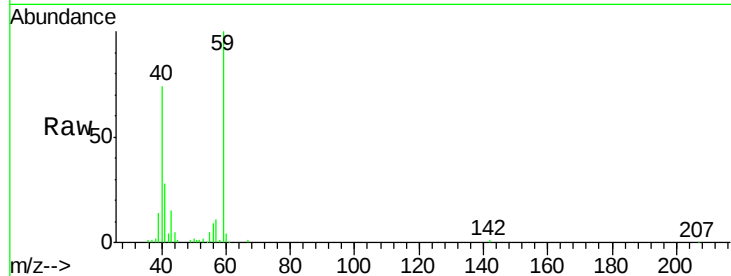


#11

Tert butyl alcohol
 Concen: 243.532 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampleId :

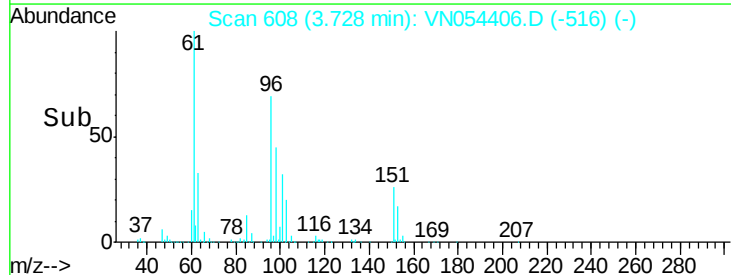
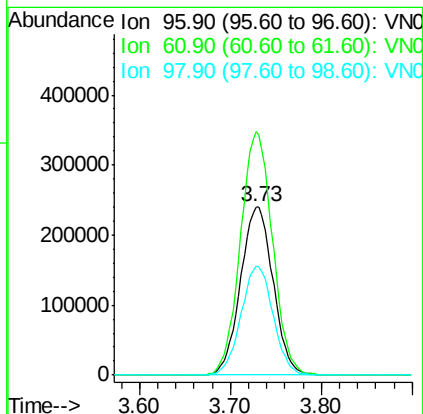
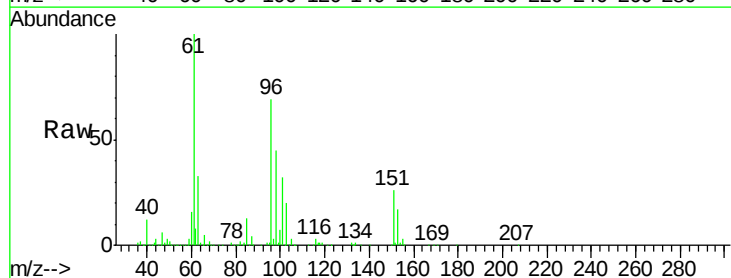
Tot Ion: 59 Resp: 200513
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.6

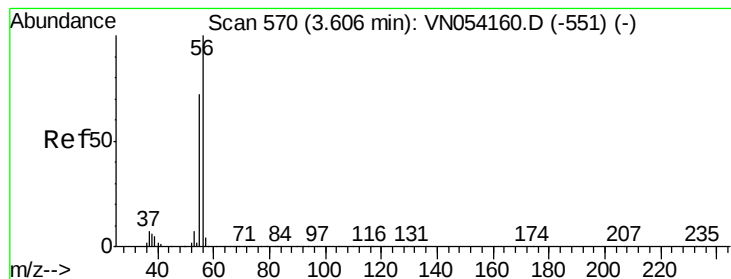


#12

1,1-Dichloroethene
 Concen: 50.985 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 96 Resp: 599014
 Ion Ratio Lower Upper
 96 100
 61 144.4 116.5 174.7
 98 64.7 51.0 76.4





#13

Acrolein

Concen: 247.986 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

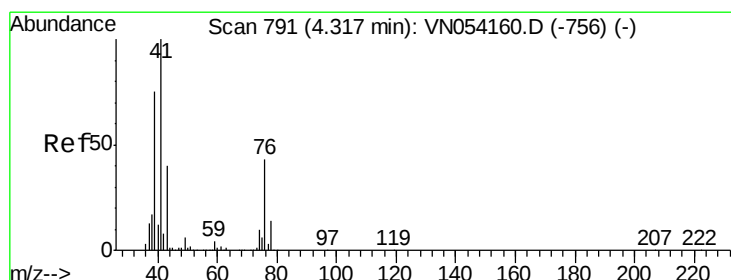
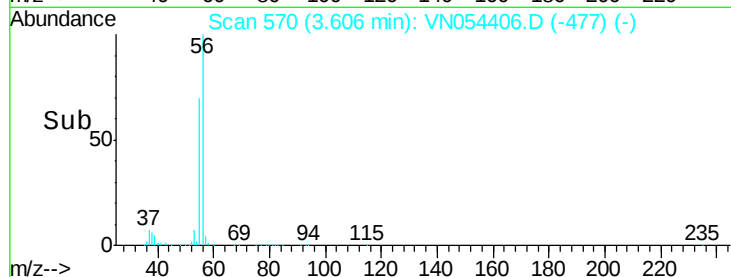
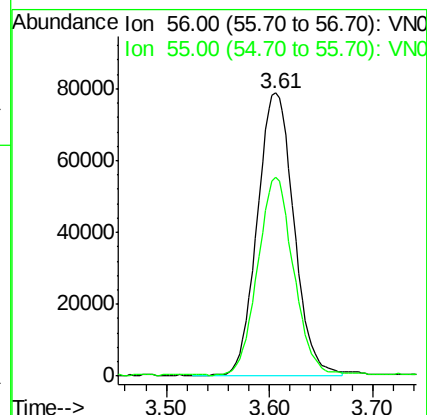
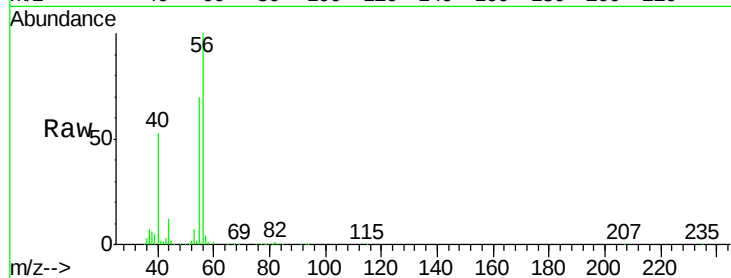
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 193478

Ion Ratio Lower Upper

56 100

55 69.0 56.7 85.1



#14

Allyl chloride

Concen: 50.879 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

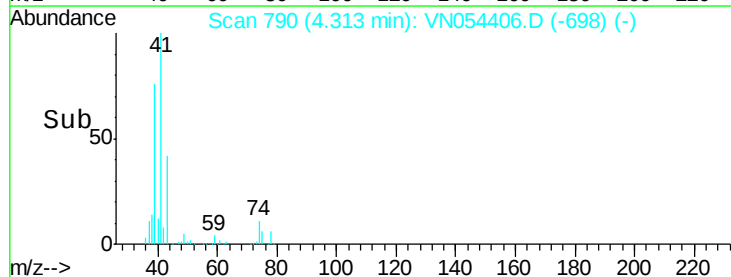
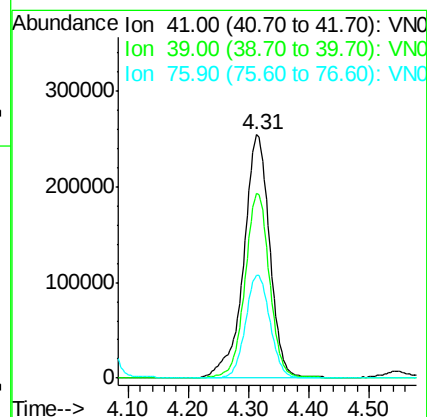
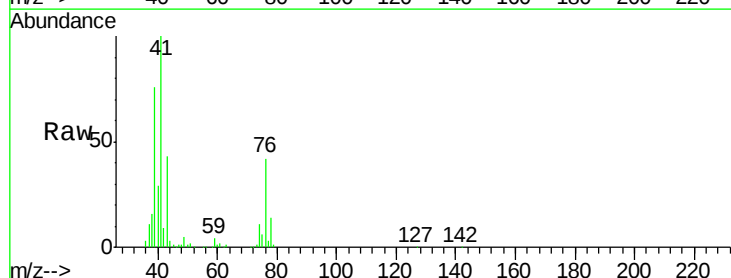
Tgt Ion: 41 Resp: 766960

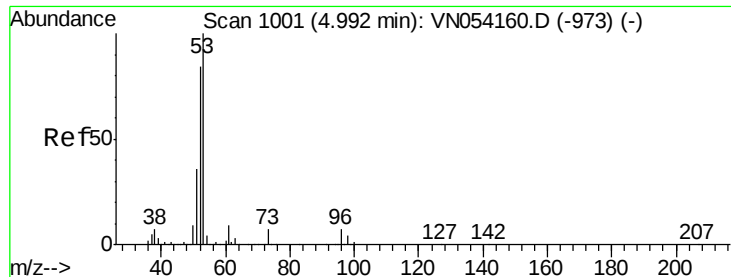
Ion Ratio Lower Upper

41 100

39 71.3 58.2 87.4

76 39.4 31.7 47.5





#15

Acrylonitrile

Concen: 288.481 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

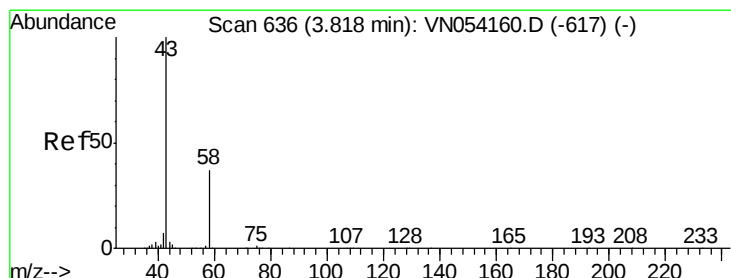
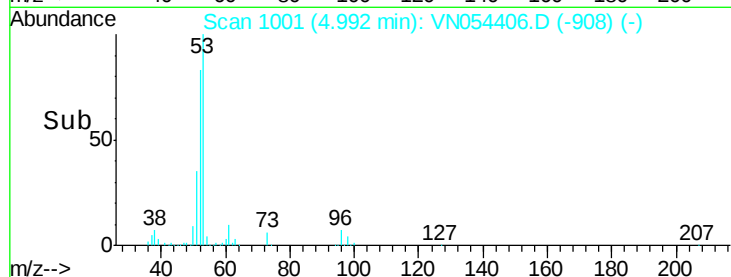
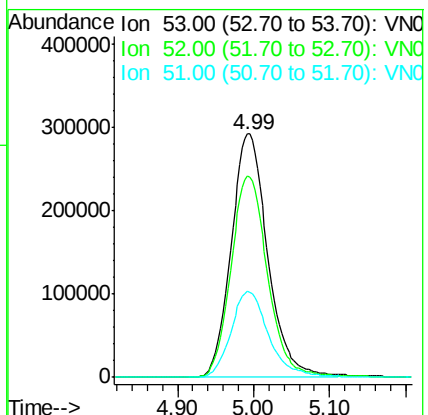
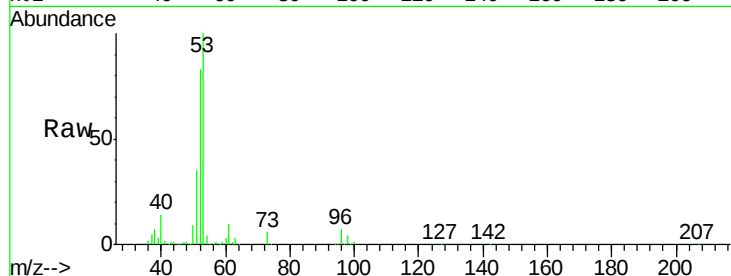
Tot Ion: 53 Resp: 975668

Ion Ratio Lower Upper

53 100

52 83.3 66.4 99.6

51 36.7 29.6 44.4



#16

Acetone

Concen: 201.446 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054406.D

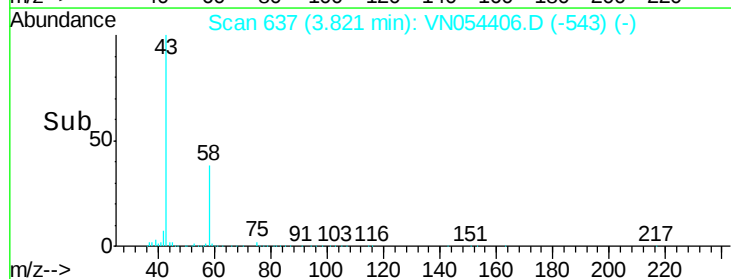
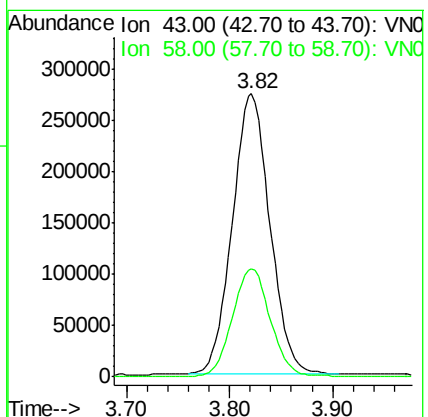
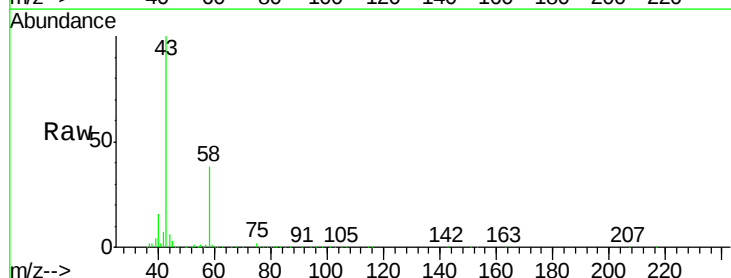
Acq: 18 Mar 2019 21:17

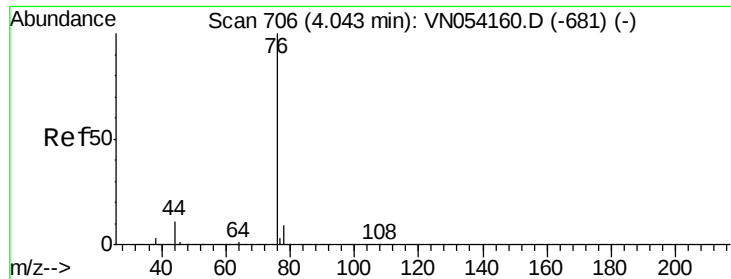
Tgt Ion: 43 Resp: 692731

Ion Ratio Lower Upper

43 100

58 38.4 29.9 44.9





#17

Carbon Disulfide

Concen: 42.849 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

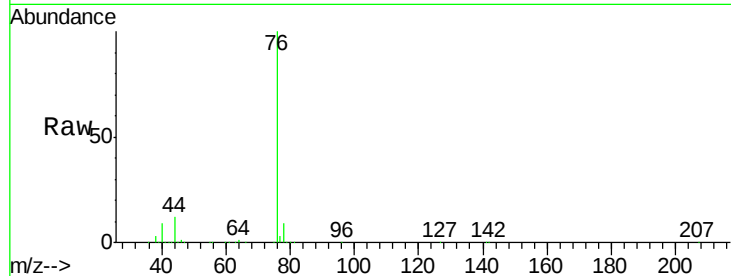
ClientSampled :

Tot Ion: 76 Resp: 1262016

Ion Ratio Lower Upper

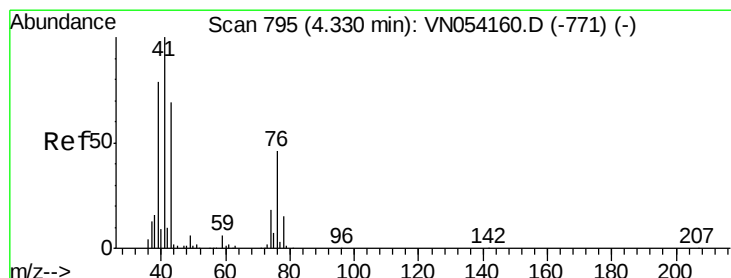
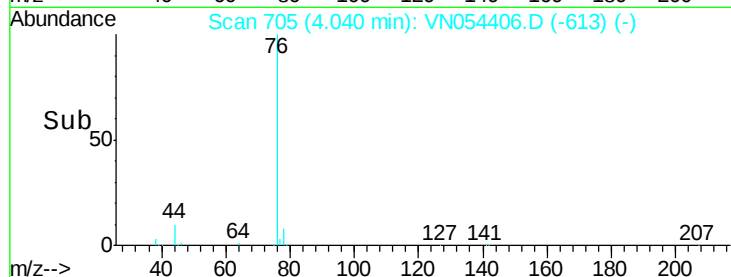
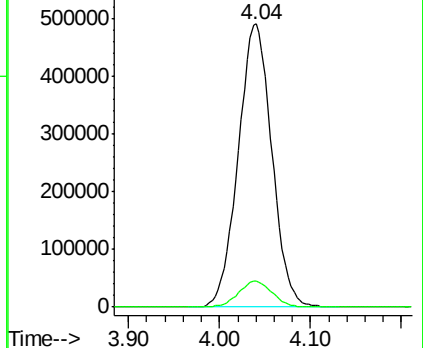
76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 66.630 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054406.D

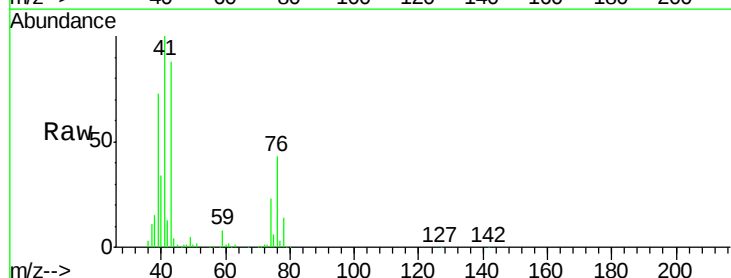
Acq: 18 Mar 2019 21:17

Tgt Ion: 43 Resp: 463567

Ion Ratio Lower Upper

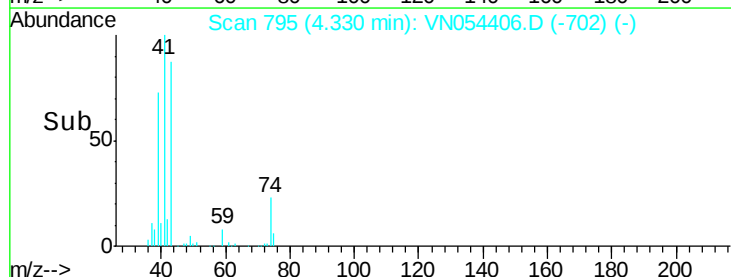
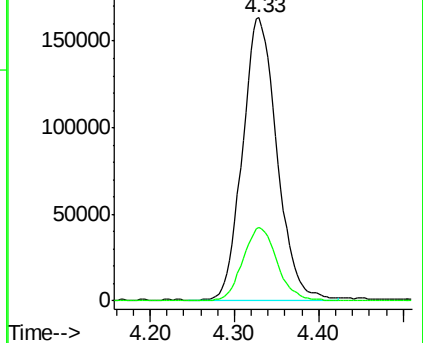
43 100

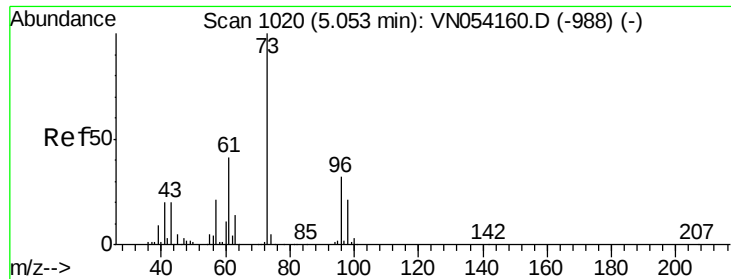
74 26.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



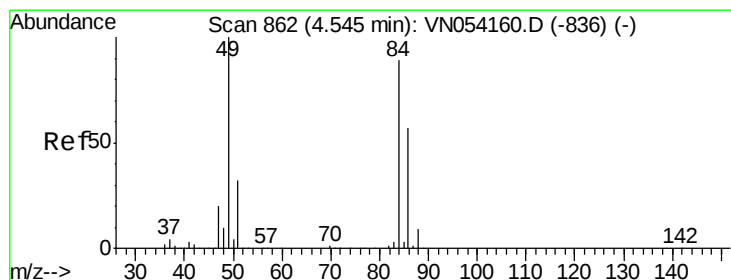
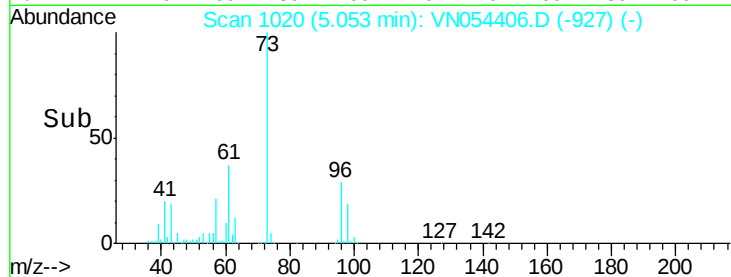
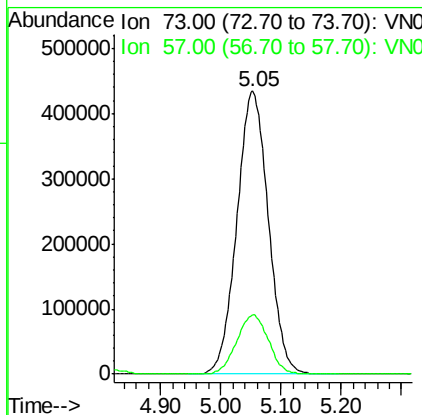
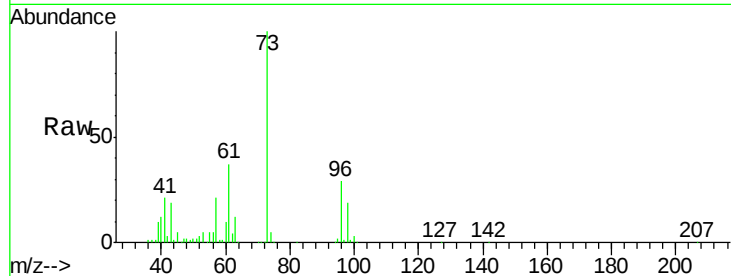


#19

Methyl tert-butyl Ether
 Concen: 54.403 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampled :

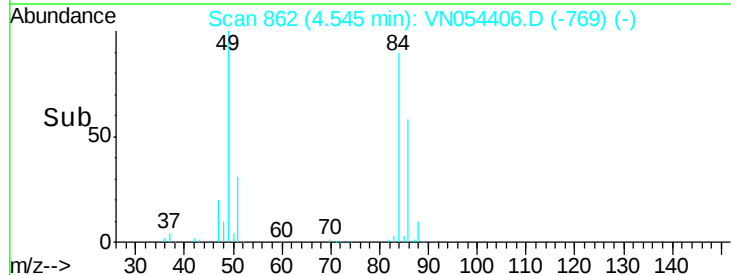
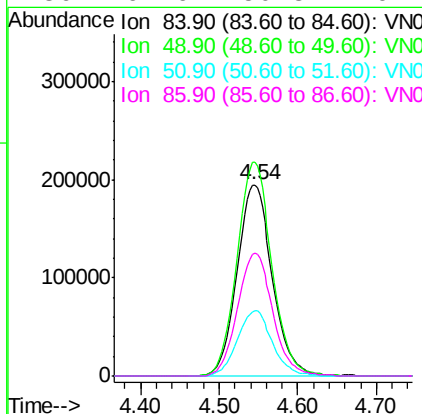
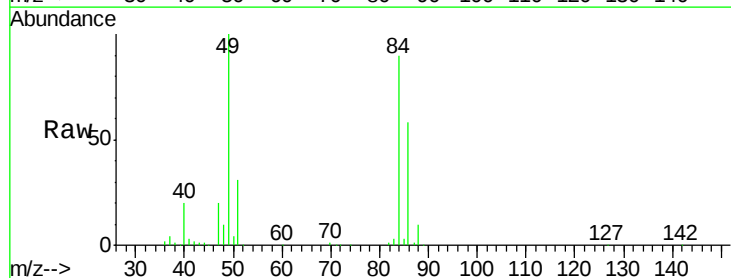
Tot Ion: 73 Resp: 1584303
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.8 25.2

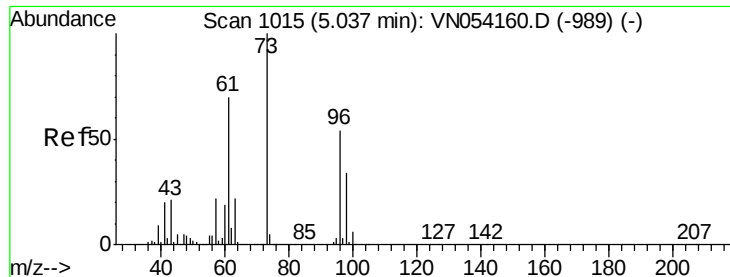


#20

Methylene Chloride
 Concen: 53.999 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 84 Resp: 609722
 Ion Ratio Lower Upper
 84 100
 49 111.7 89.7 134.5
 51 34.2 28.2 42.4
 86 64.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.507 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :

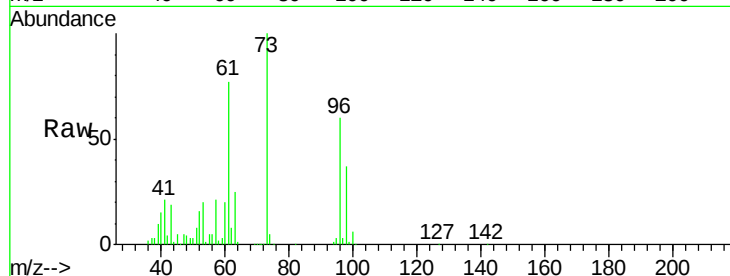
Tot Ion: 96 Resp: 591070

Ion Ratio Lower Upper

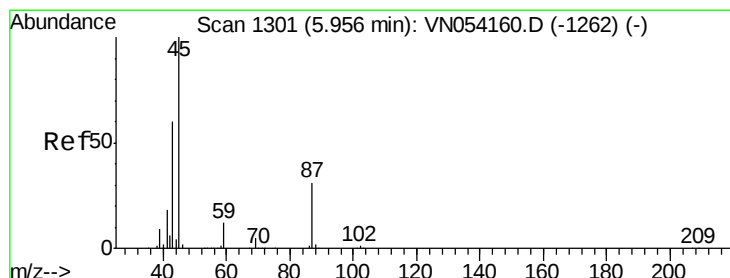
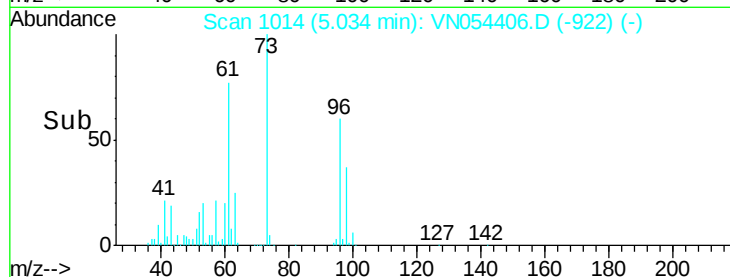
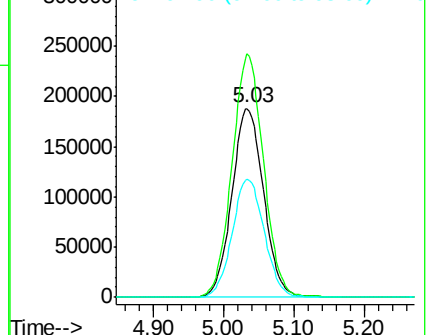
96 100

61 128.7 102.8 154.2

98 62.3 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 56.362 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion: 45 Resp: 1695655

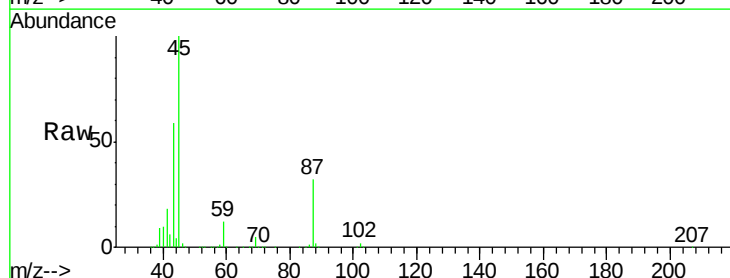
Ion Ratio Lower Upper

45 100

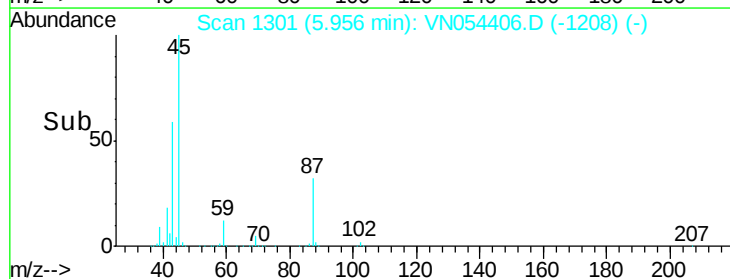
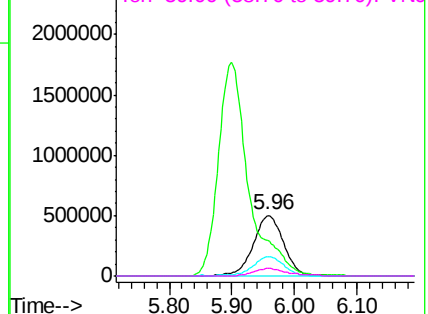
43 58.0 48.2 72.2

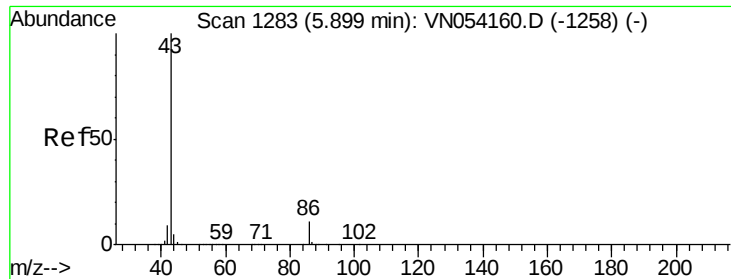
87 32.1 24.9 37.3

59 12.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 269.182 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

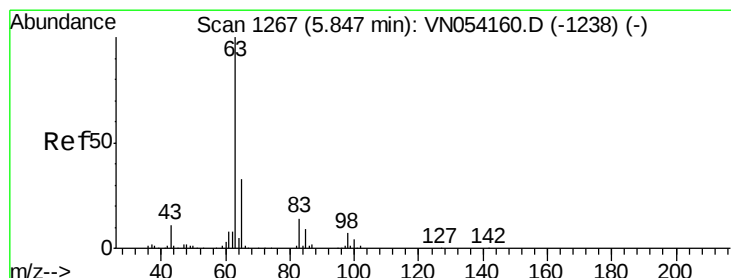
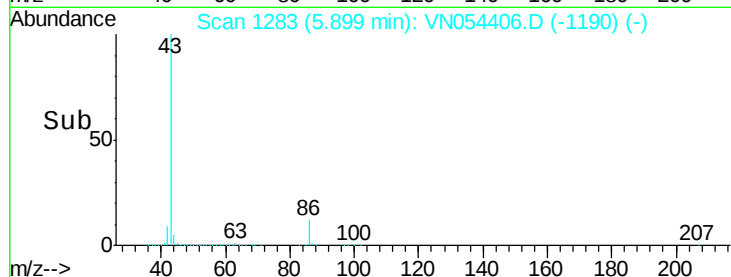
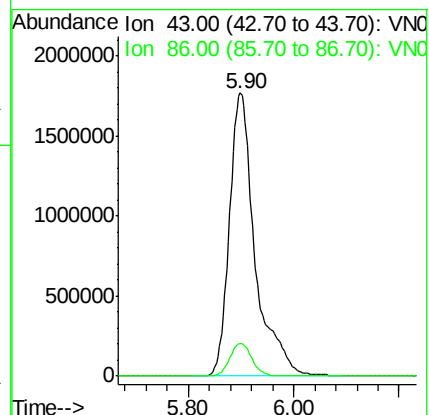
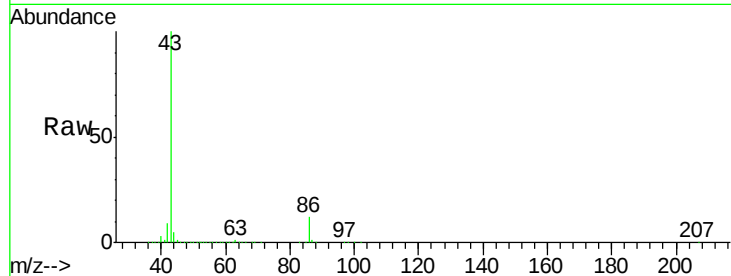
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 5971034

Ion Ratio Lower Upper

43 100

86 11.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 54.826 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

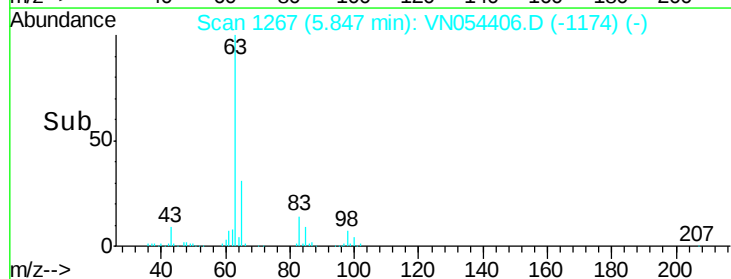
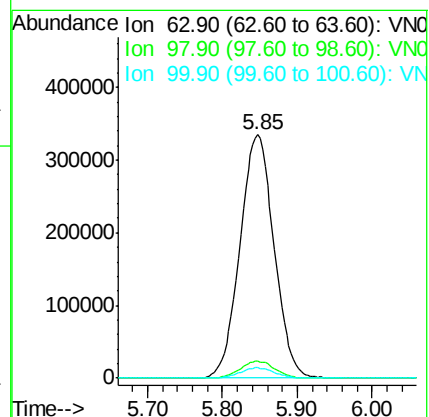
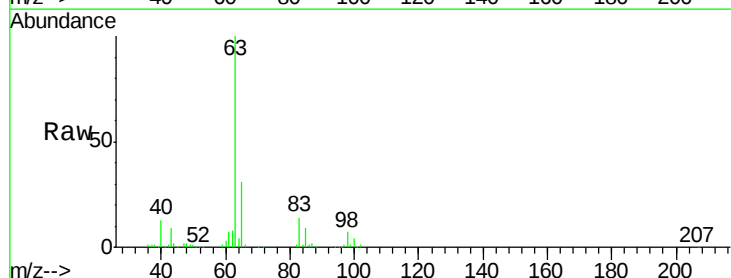
Tgt Ion: 63 Resp: 1059081

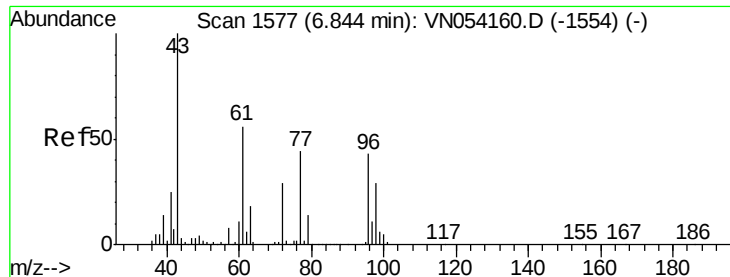
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 281.494 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

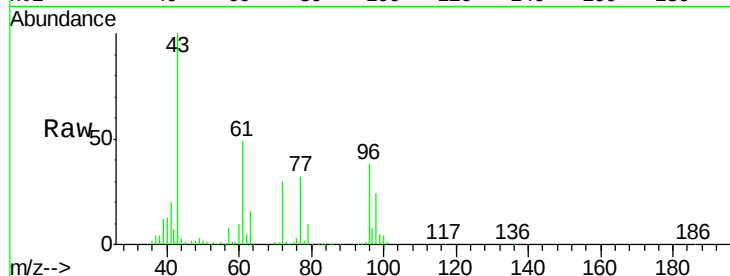
ClientSampled :

Tot Ion: 43 Resp: 1136136

Ion Ratio Lower Upper

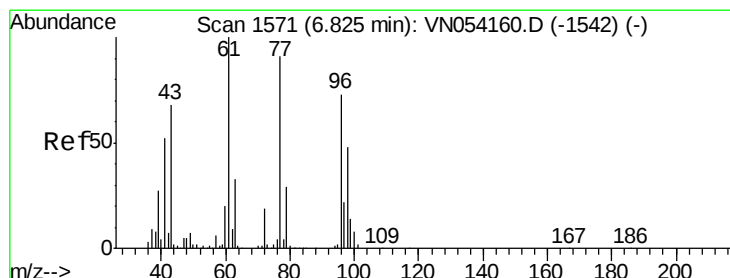
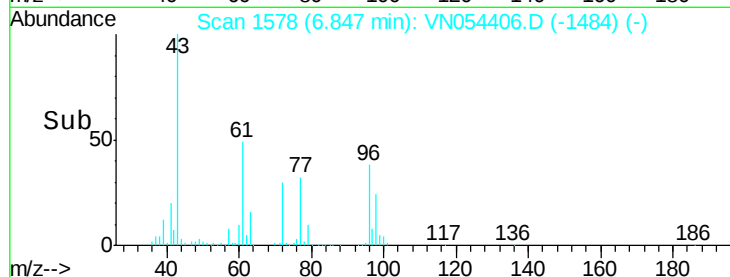
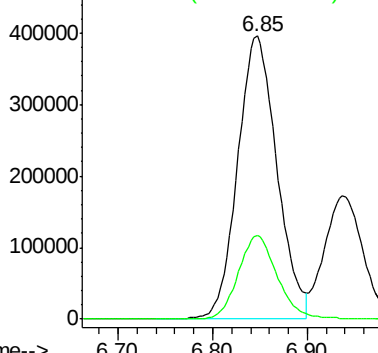
43 100

72 29.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 42.470 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054406.D

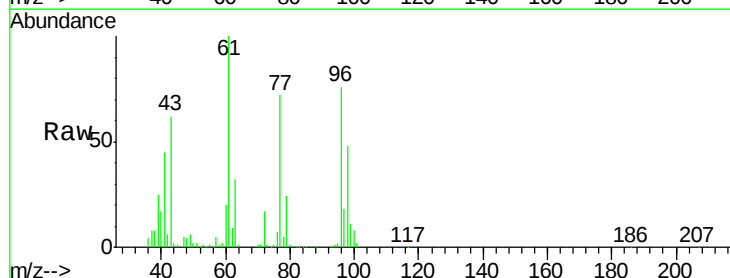
Acq: 18 Mar 2019 21:17

Tgt Ion: 77 Resp: 721468

Ion Ratio Lower Upper

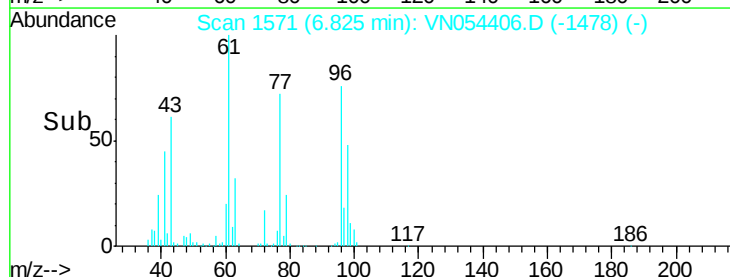
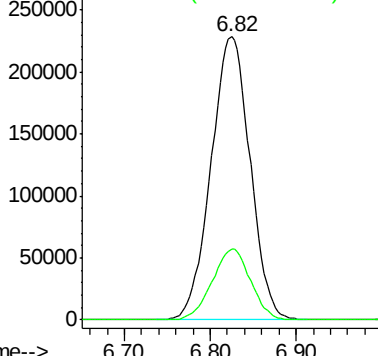
77 100

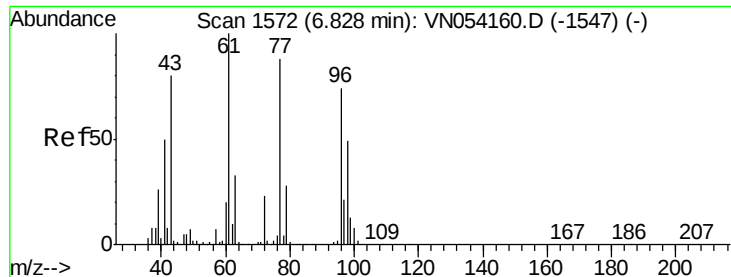
97 24.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 55.637 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :

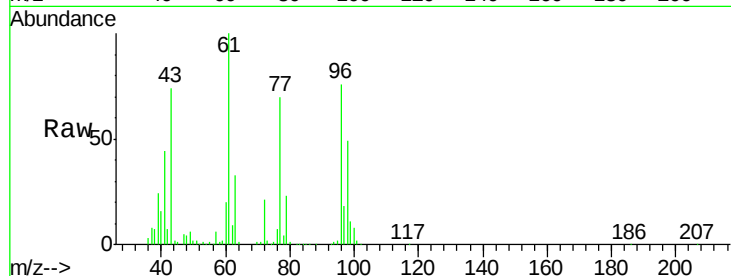
Tot Ion: 96 Resp: 698706

Ion Ratio Lower Upper

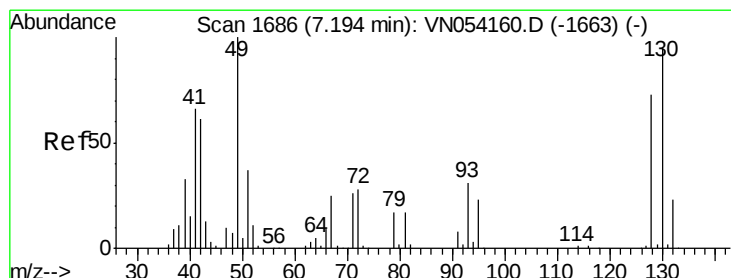
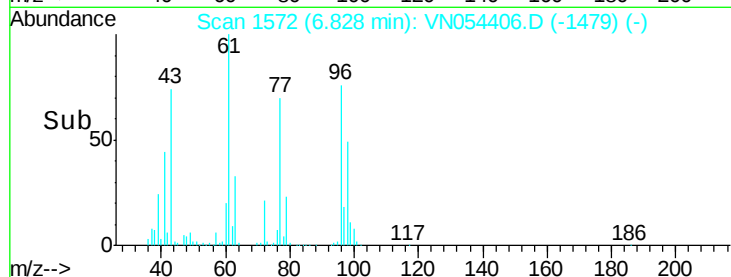
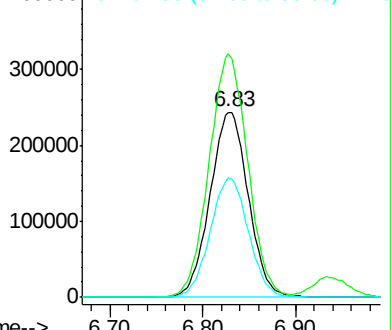
96 100

61 132.8 0.0 273.0

98 64.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 54.055 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

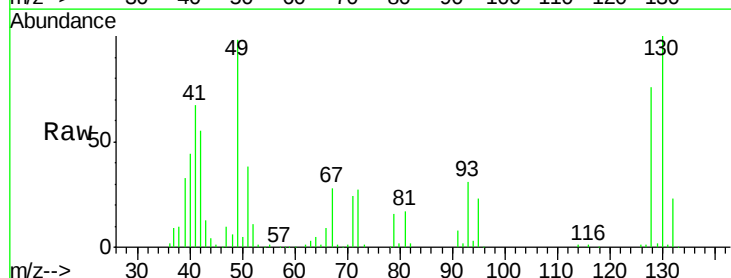
Tgt Ion: 49 Resp: 426879

Ion Ratio Lower Upper

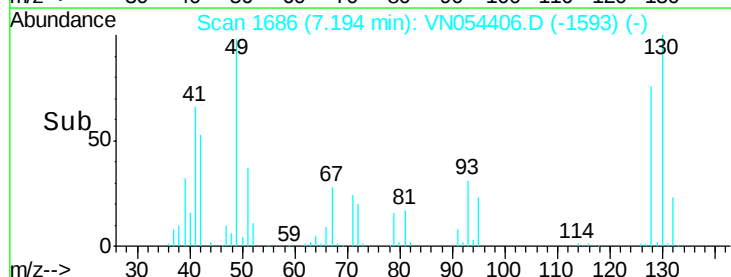
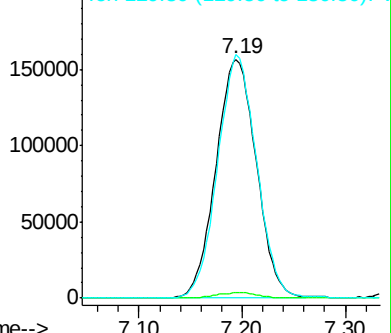
49 100

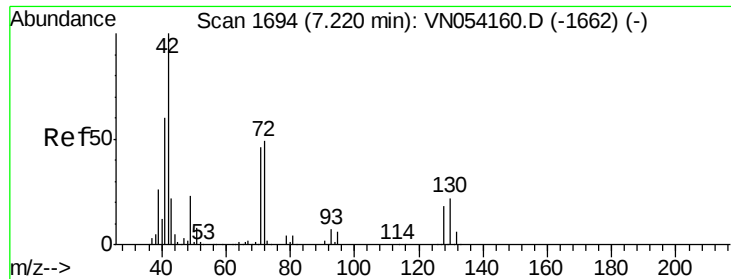
129 2.4 0.0 4.6

130 98.3 76.7 115.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

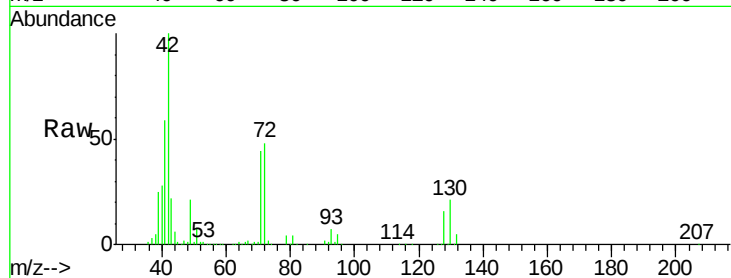




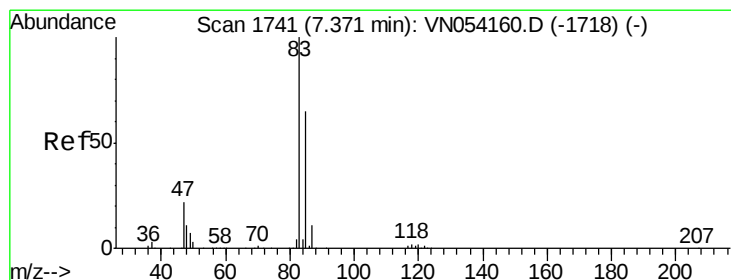
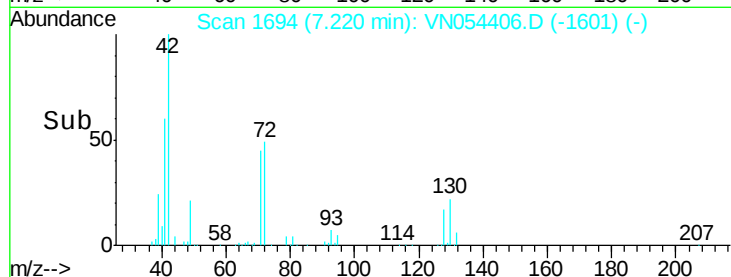
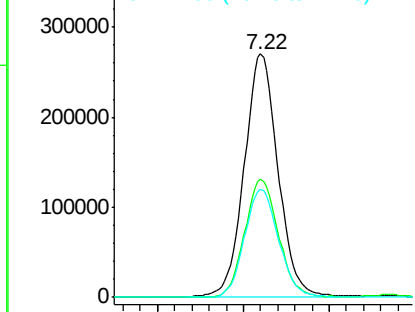
#29
Tetrahydrofuran
Concen: 283.094 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 734646
Ion Ratio Lower Upper
42 100
72 48.4 37.8 56.6
71 45.0 36.2 54.2

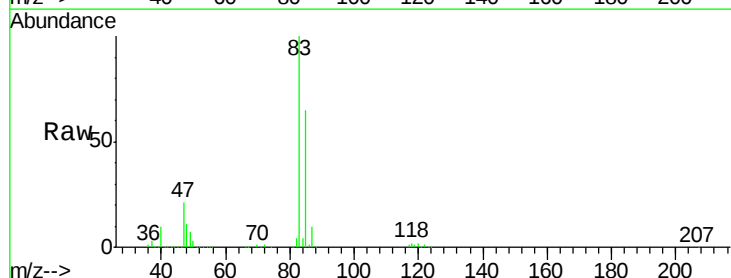


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

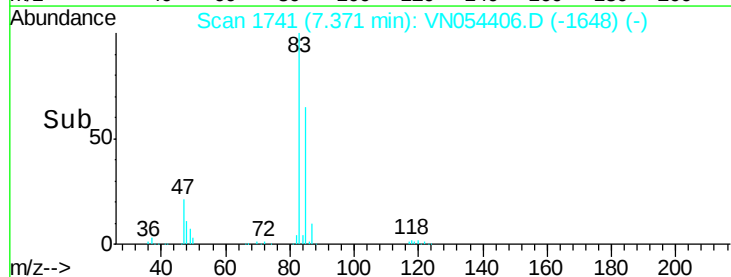
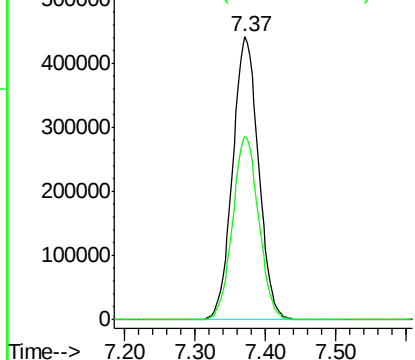


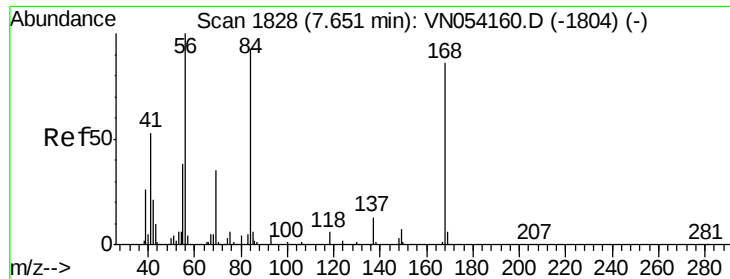
#30
Chloroform
Concen: 56.204 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 83 Resp: 1132930
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 50.386 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampled :

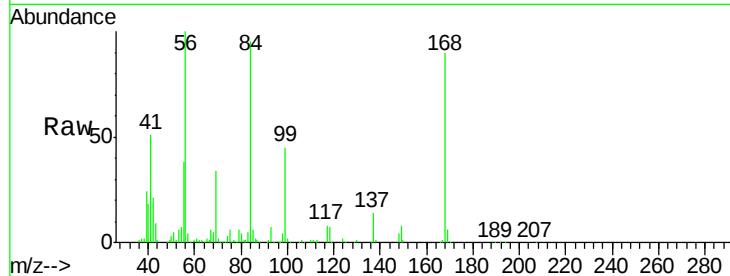
Tot Ion: 56 Resp: 909799

Ion Ratio Lower Upper

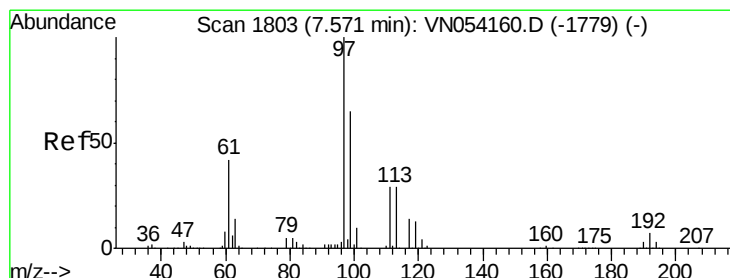
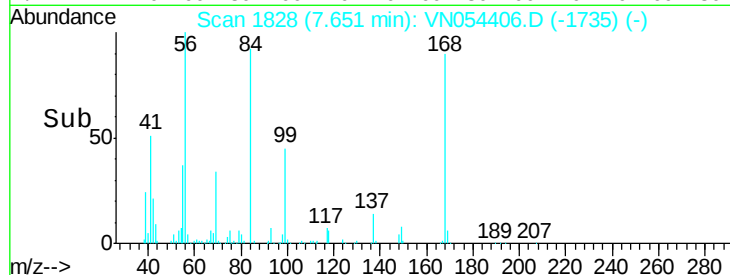
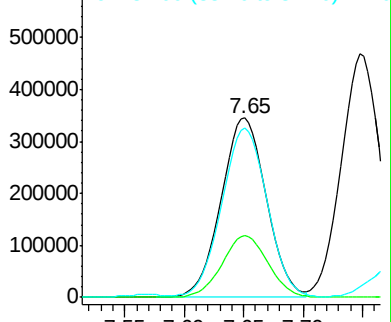
56 100

69 34.2 27.8 41.6

84 93.1 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 52.318 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

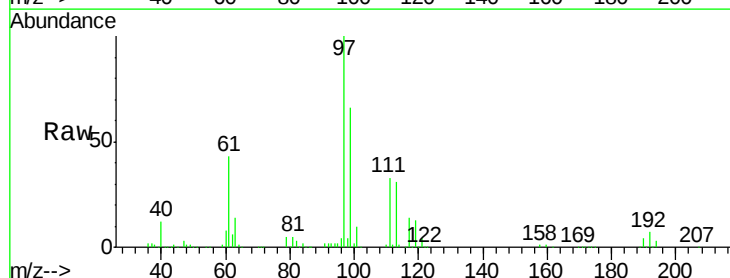
Tgt Ion: 97 Resp: 952438

Ion Ratio Lower Upper

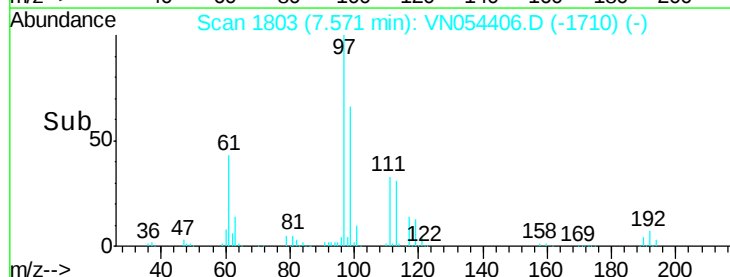
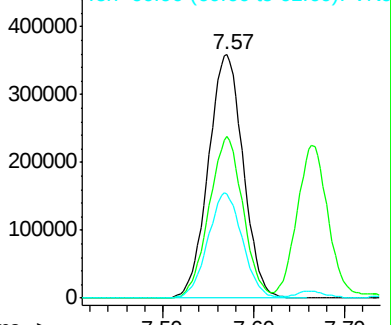
97 100

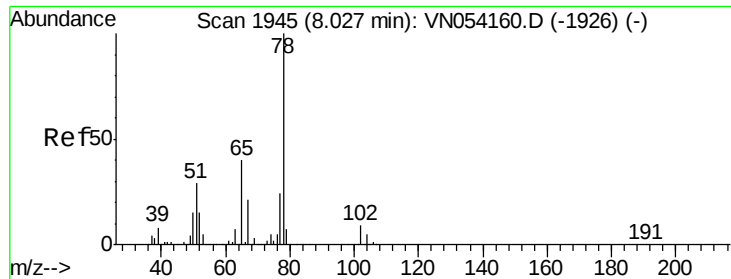
99 64.8 51.5 77.3

61 42.8 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.843 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

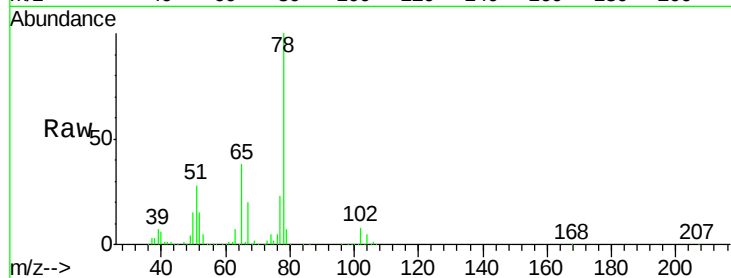
ClientSampleId :

Tot Ion: 65 Resp: 622640

Ion Ratio Lower Upper

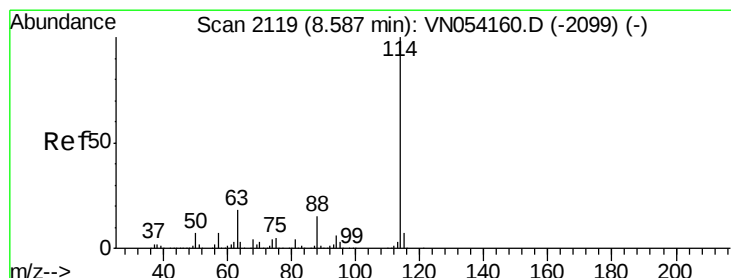
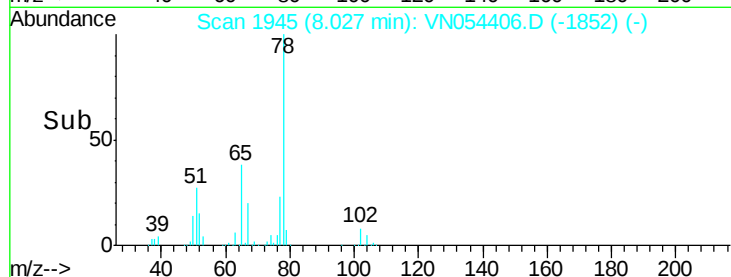
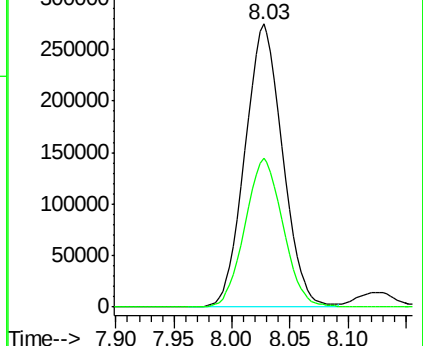
65 100

67 53.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054406.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054406.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

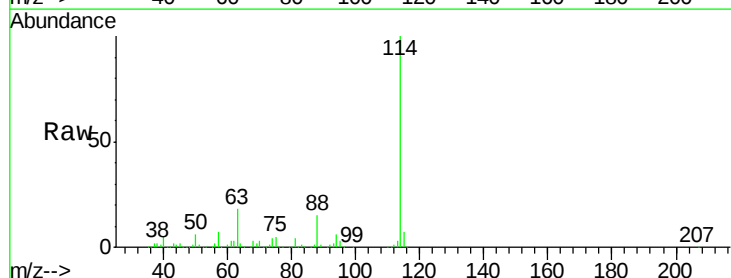
Tgt Ion:114 Resp: 1792374

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

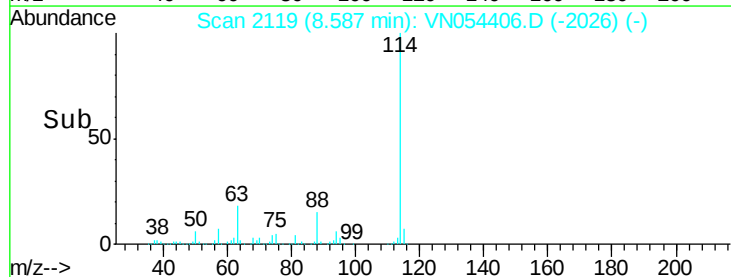
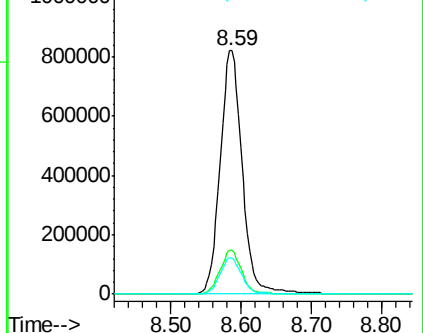
88 14.8 0.0 30.2

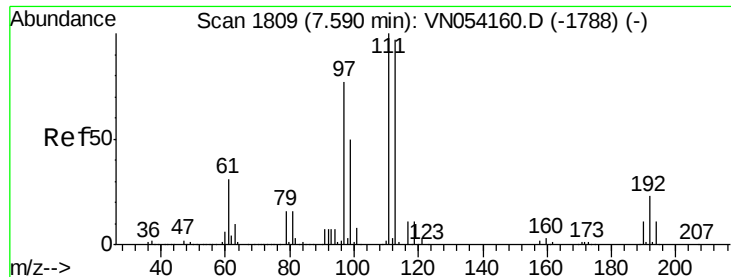


Abundance Ion 113.90 (113.60 to 114.60): VN054406.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054406.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054406.D (-2026) (-)

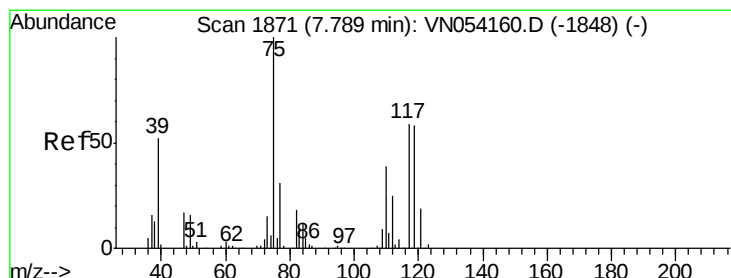
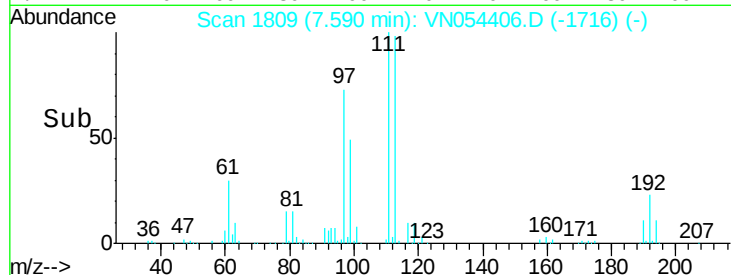
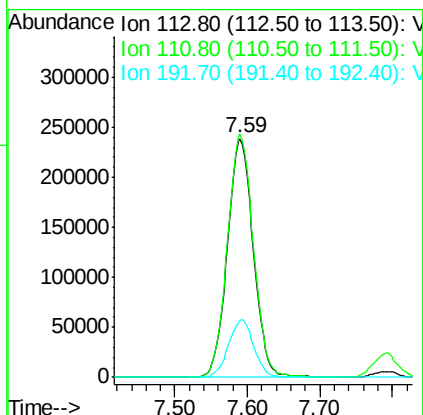
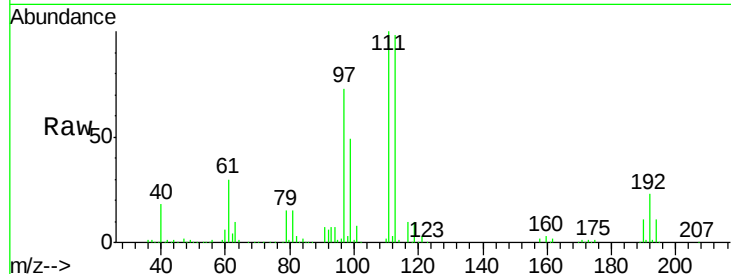




#35
 Dibromofluoromethane
 Concen: 51.367 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

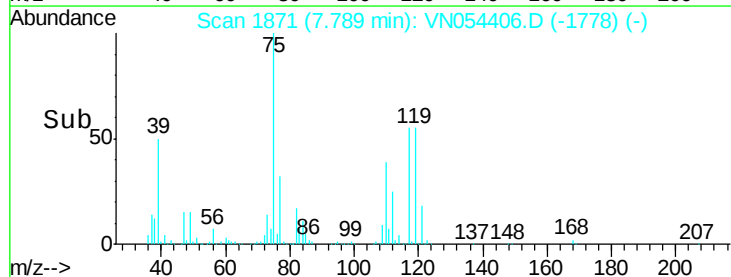
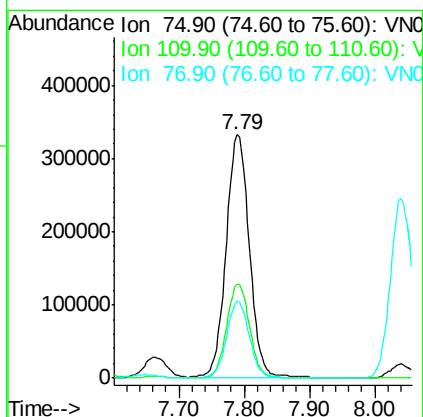
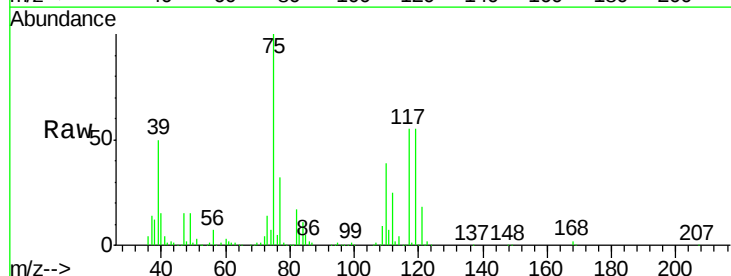
Instrument :
 MSVOA_N
 ClientSampled :

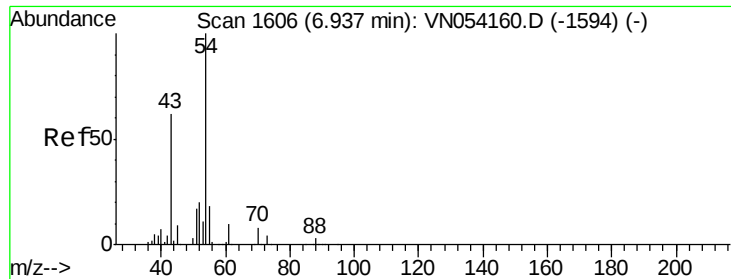
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	23.6	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 49.813 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.5
77	31.2	25.0	37.4

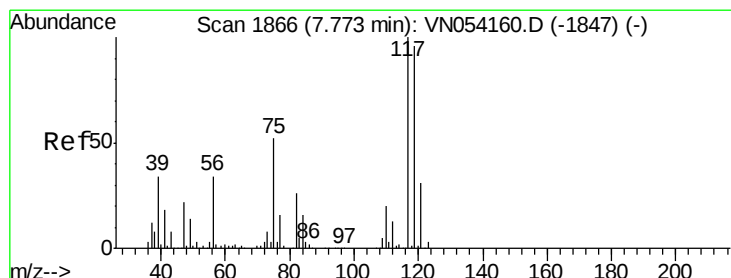
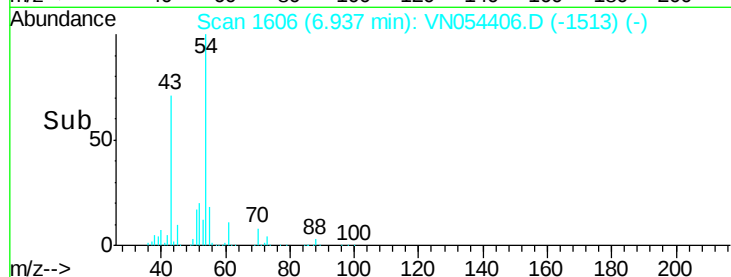
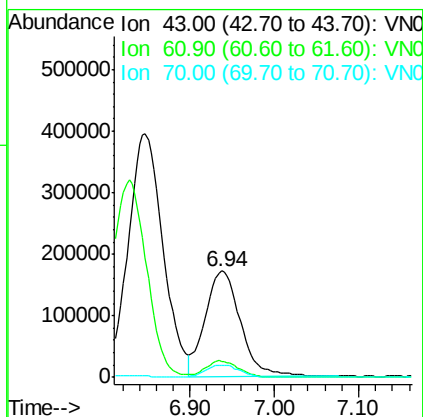
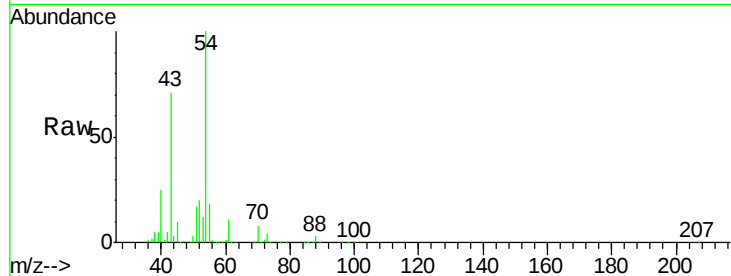




#37
Ethyl Acetate
Concen: 52.562 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

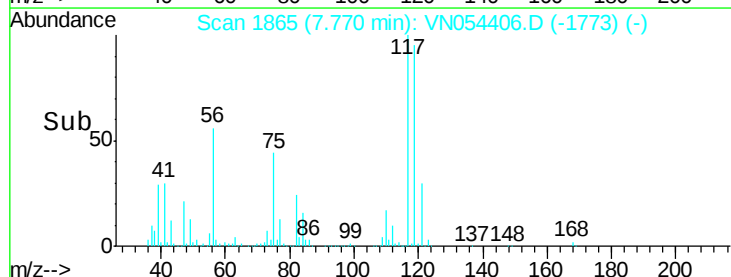
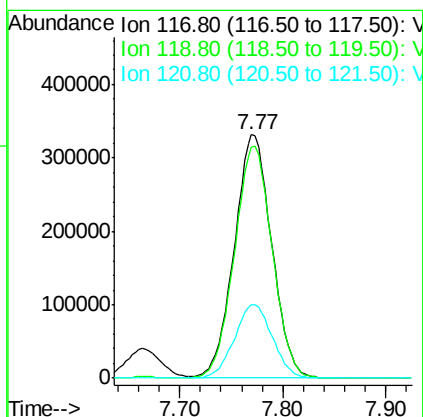
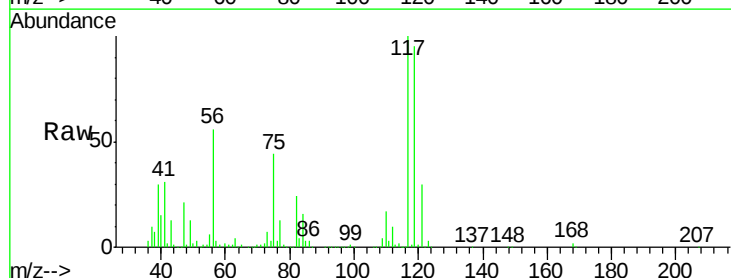
Instrument :
MSVOA_N
ClientSampled :

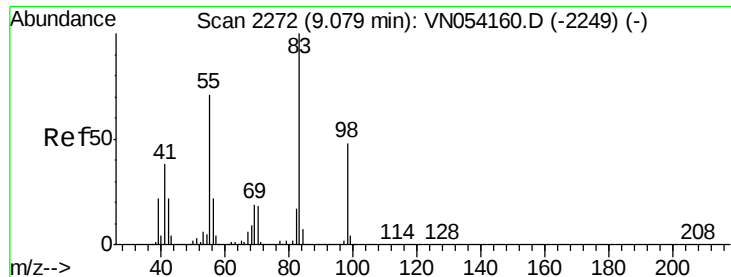
Tot Ion: 43 Resp: 498513
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.091 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 117 Resp: 832452
Ion Ratio Lower Upper
117 100
119 94.8 76.3 114.5
121 30.3 24.6 36.8

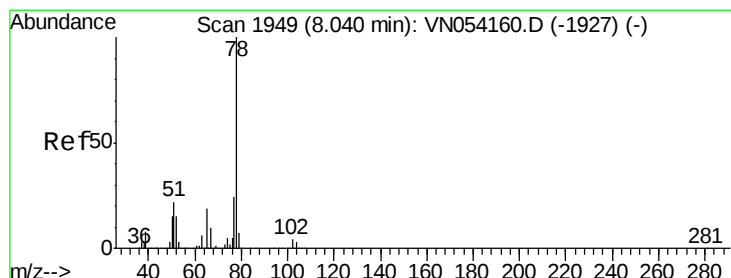
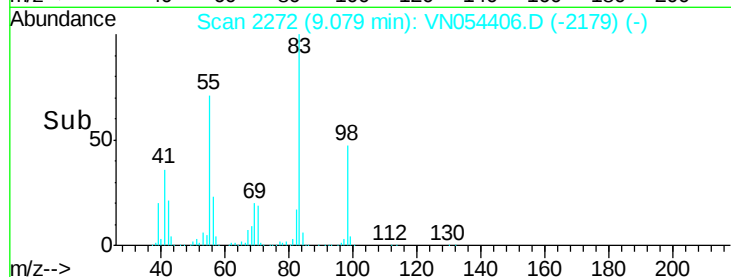
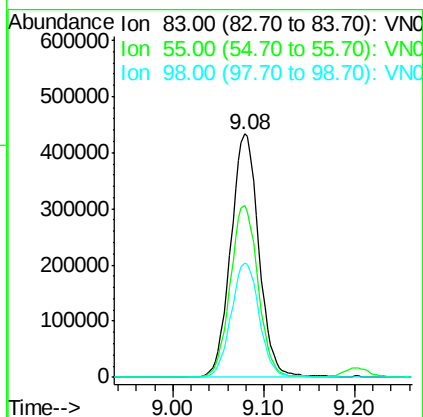
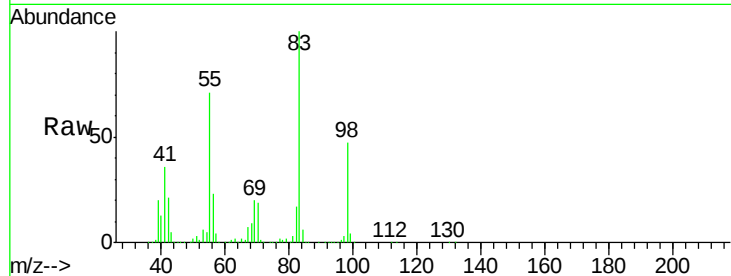




#39
Methvlcvclohexane
Concen: 45.772 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

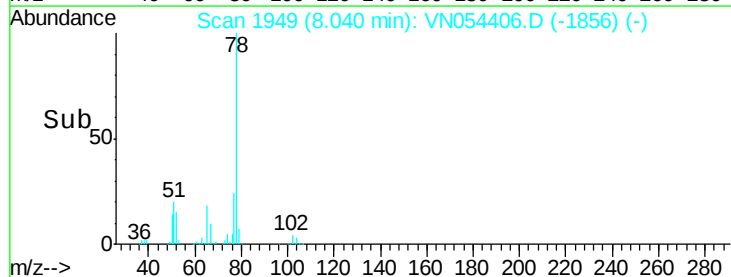
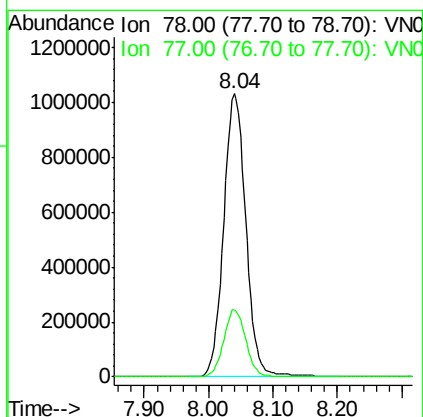
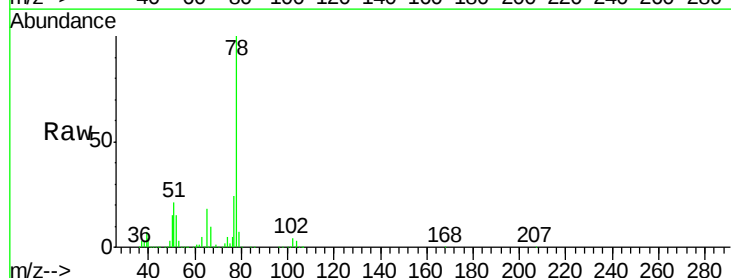
Instrument :
MSVOA_N
ClientSampleId :

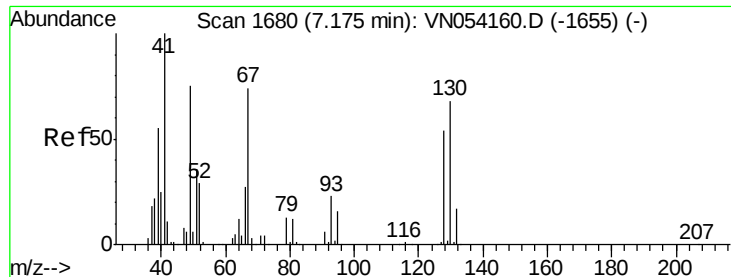
Tot Ion: 83 Resp: 929588
Ion Ratio Lower Upper
83 100
55 70.6 56.6 84.8
98 47.0 38.4 57.6



#40
Benzene
Concen: 52.508 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 78 Resp: 2480188
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

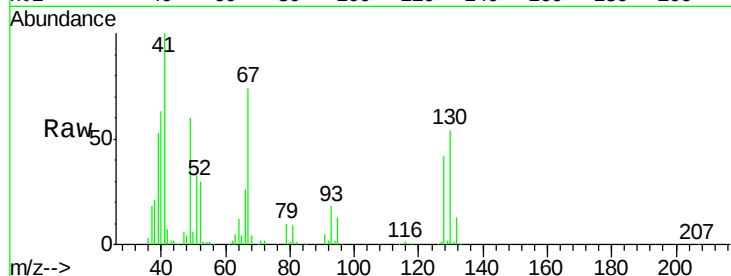




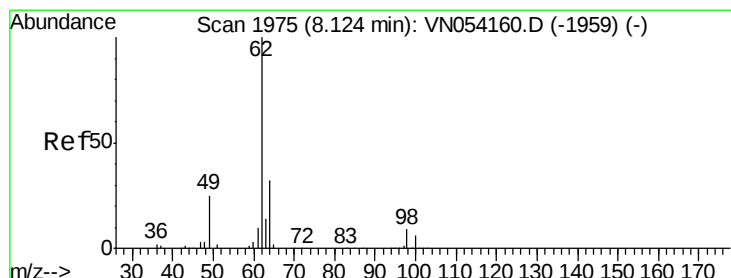
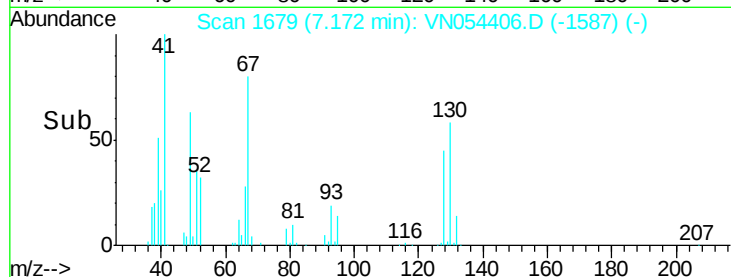
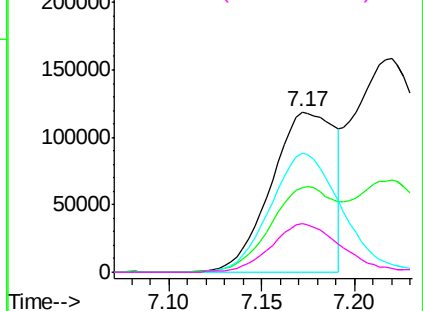
#41
Methacrylonitrile
Concen: 51.900 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 281051
Ion Ratio Lower Upper
41 100
39 52.5 46.8 70.2
67 85.0 67.0 100.4
52 33.6 26.5 39.7

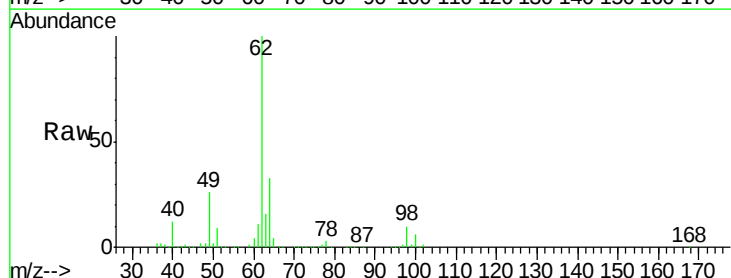


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

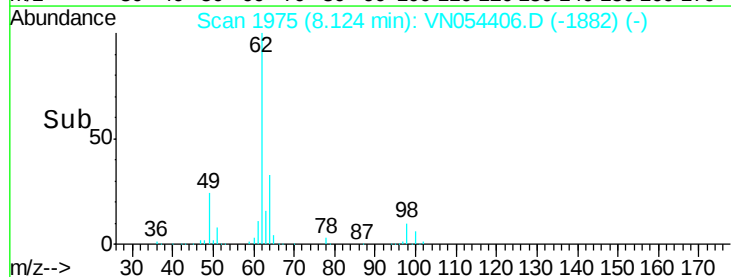
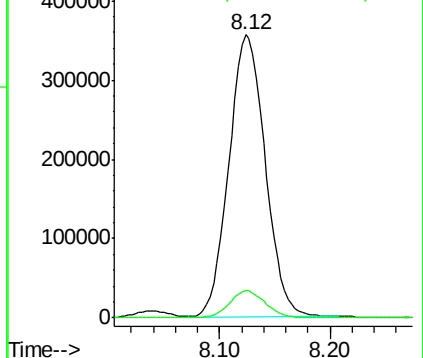


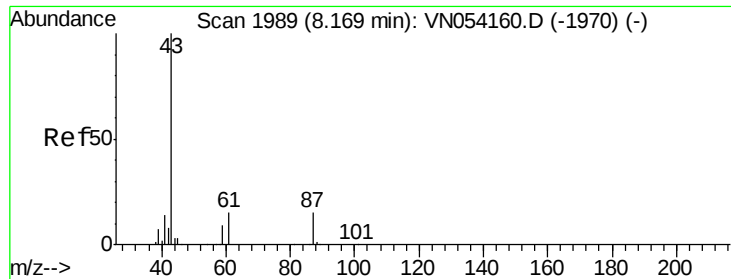
#42
1,2-Dichloroethane
Concen: 51.094 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 62 Resp: 814797
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



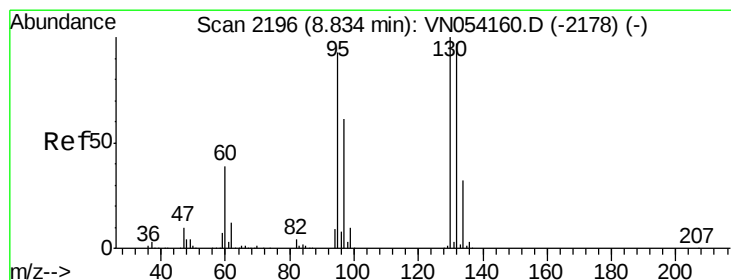
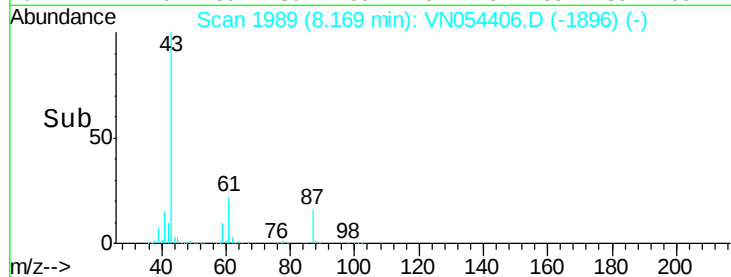
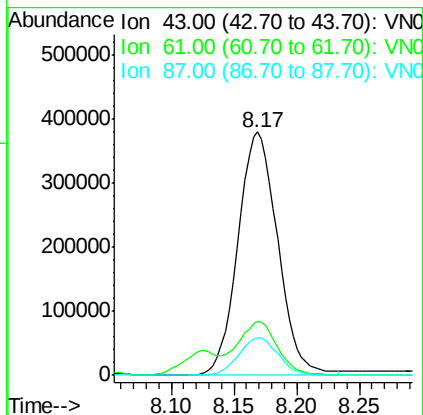
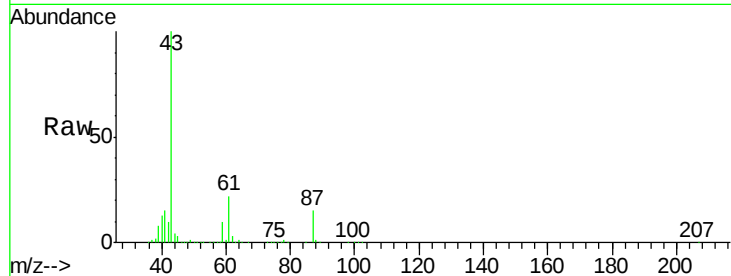


#43

Isopropyl Acetate
 Concen: 50.217 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampled :

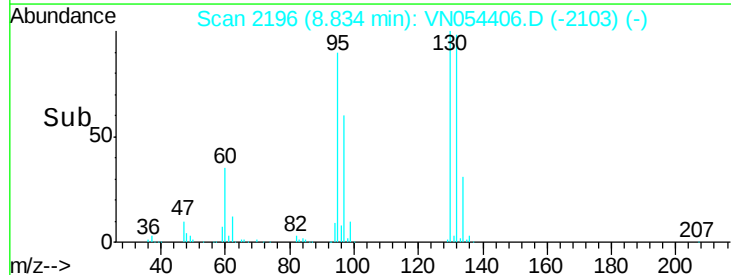
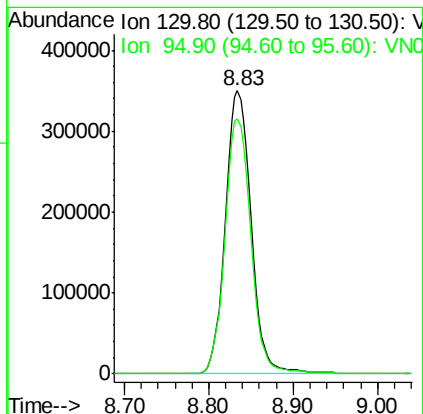
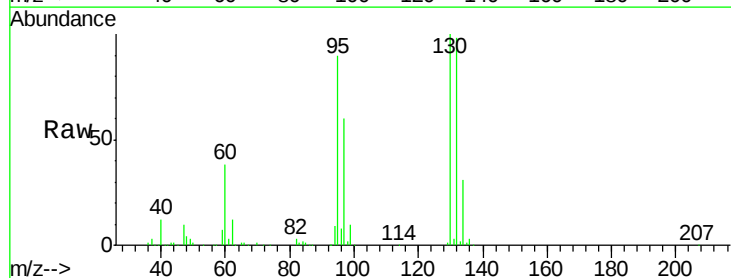
Tot Ion	43	Resp	835998
Ion Ratio	Lower	Upper	
43	100		
61	21.1	15.8	23.8
87	15.4	12.0	18.0

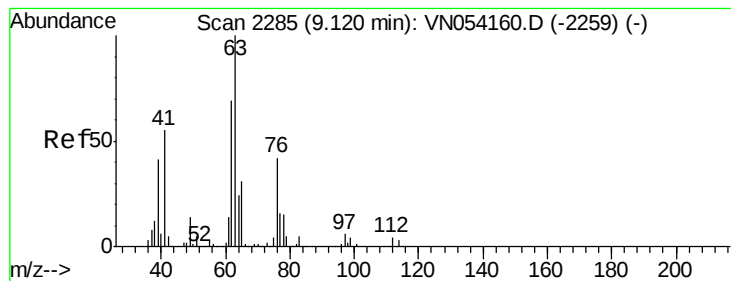


#44

Trichloroethene
 Concen: 50.908 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion	130	Resp	746978
Ion Ratio	Lower	Upper	
130	100		
95	90.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 53.853 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

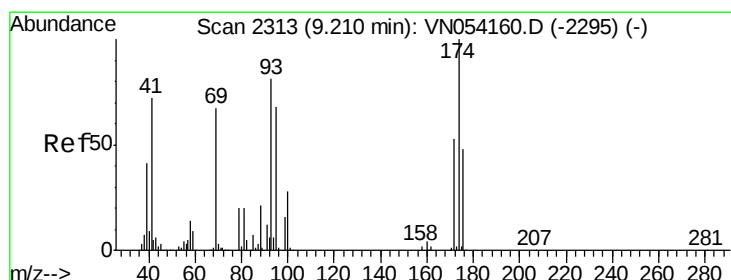
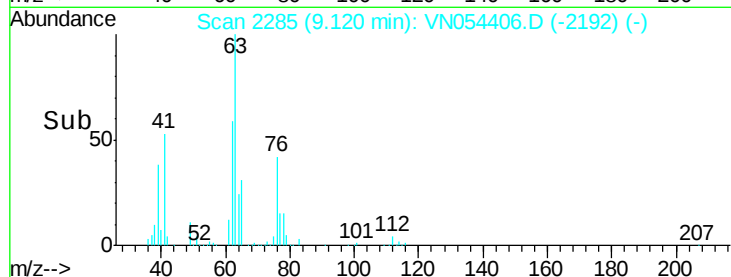
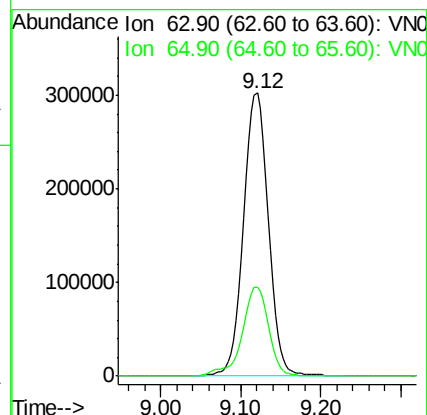
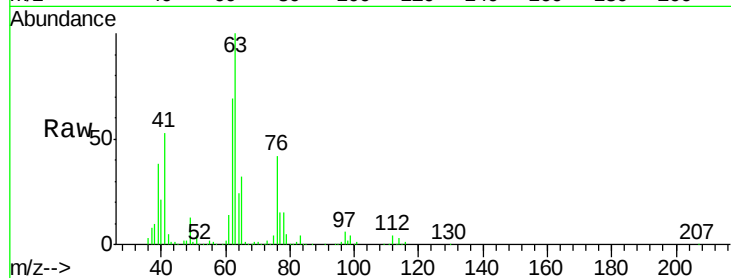
ClientSampleId :

Tot Ion: 63 Resp: 631621

Ion Ratio Lower Upper

63 100

65 31.6 25.0 37.6



#46

Dibromomethane

Concen: 51.790 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

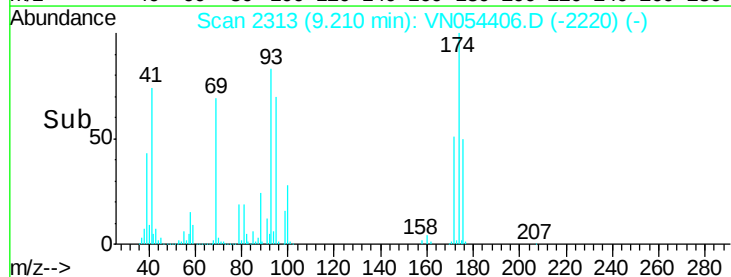
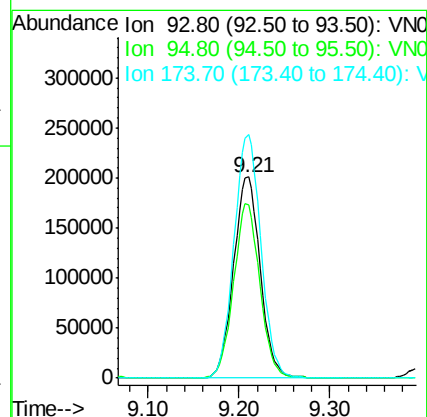
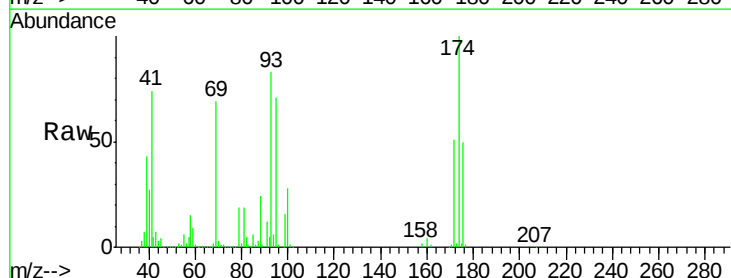
Tgt Ion: 93 Resp: 410417

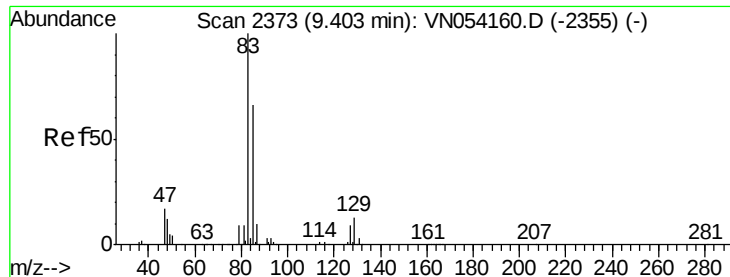
Ion Ratio Lower Upper

93 100

95 85.0 66.7 100.1

174 122.5 98.5 147.7





#47

Bromodichloromethane

Concen: 52.524 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

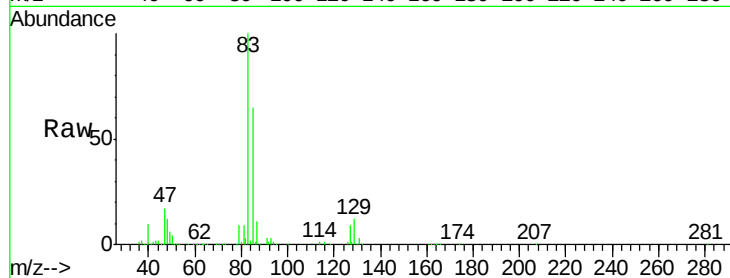
Tot Ion: 83 Resp: 834438

Ion Ratio Lower Upper

83 100

85 65.3 52.8 79.2

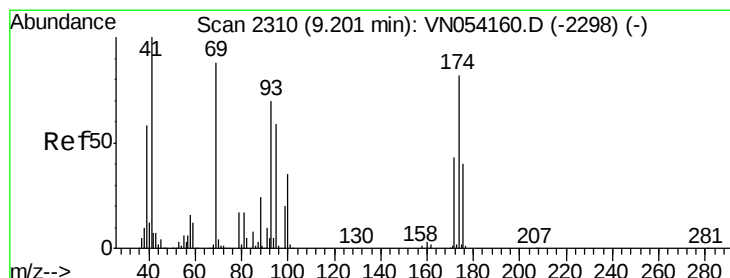
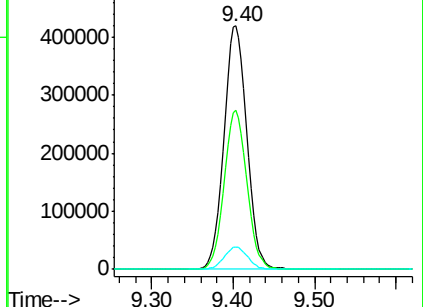
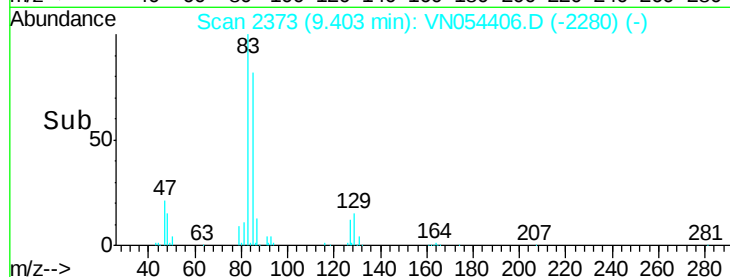
127 9.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054406.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054406.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054406.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.723 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

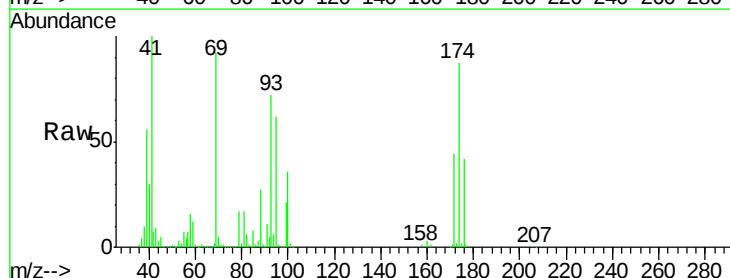
Tgt Ion: 41 Resp: 445424

Ion Ratio Lower Upper

41 100

69 94.3 72.6 108.8

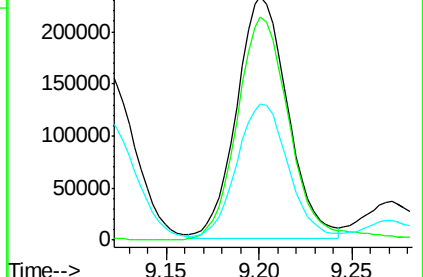
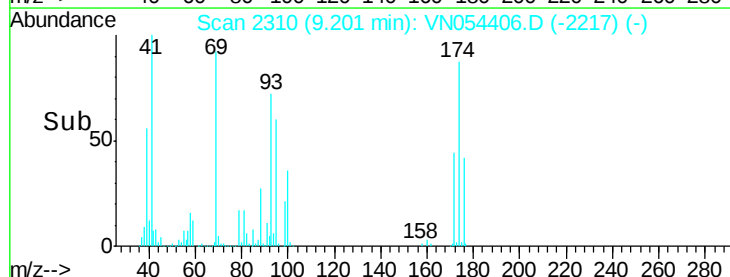
39 57.0 47.5 71.3

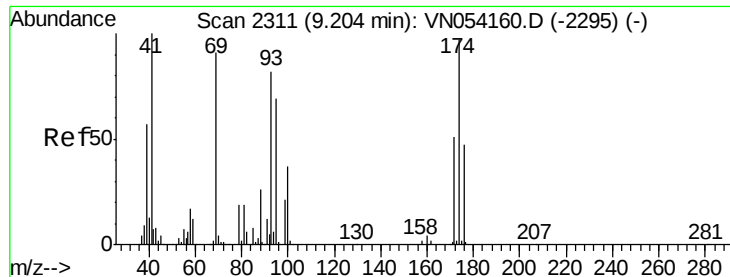


Abundance Ion 41.00 (40.70 to 41.70): VN054406.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054406.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054406.D (-2217) (-)

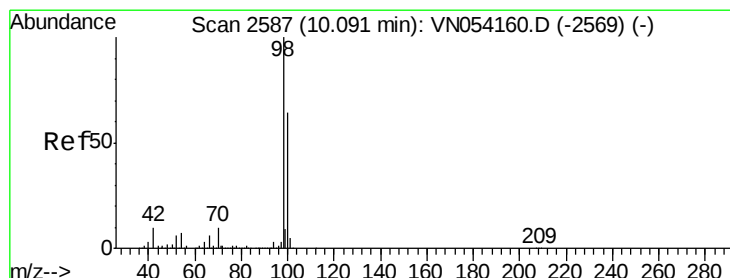
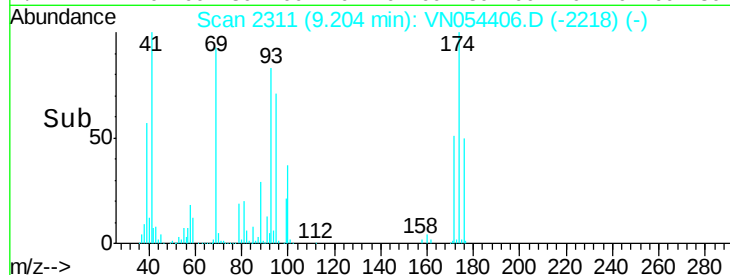
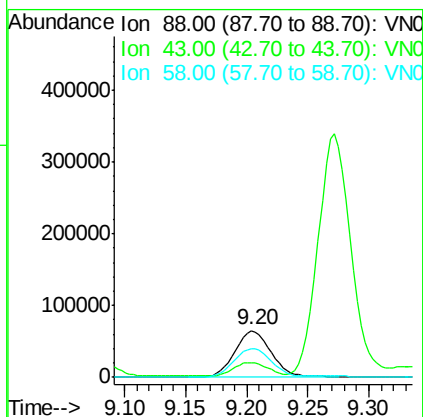
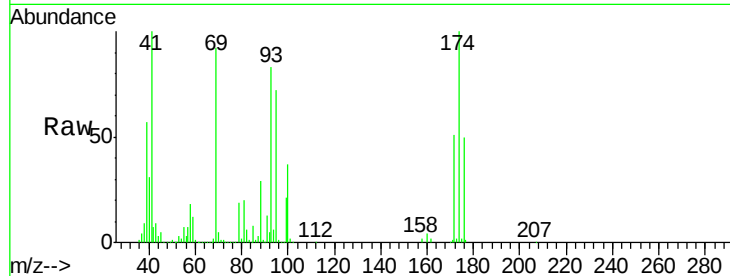




#49
1,4-Dioxane
Concen: 1132.276 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

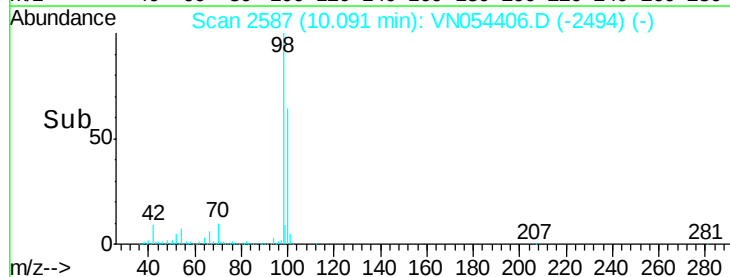
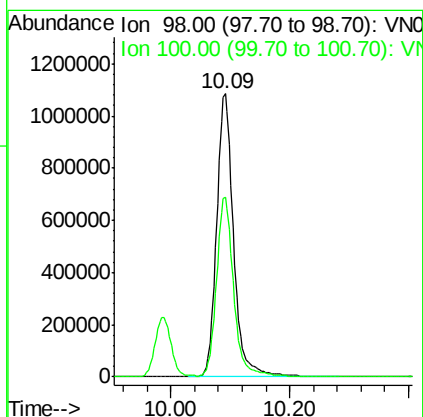
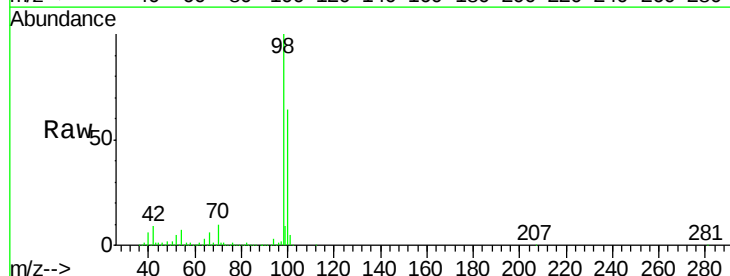
Instrument :
MSVOA_N
ClientSampleId :

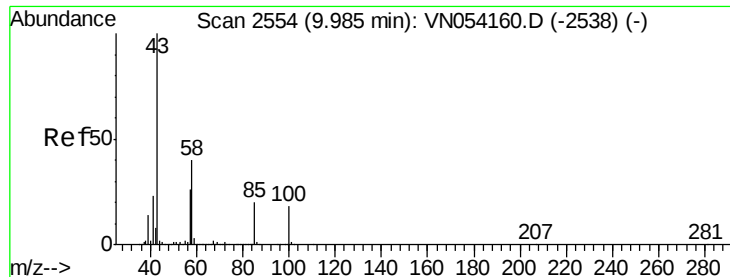
Tot Ion: 88 Resp: 135308
Ion Ratio Lower Upper
88 100
43 27.9 24.1 36.1
58 62.8 50.8 76.2



#50
Toluene-d8
Concen: 50.129 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 98 Resp: 2140173
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 280.294 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

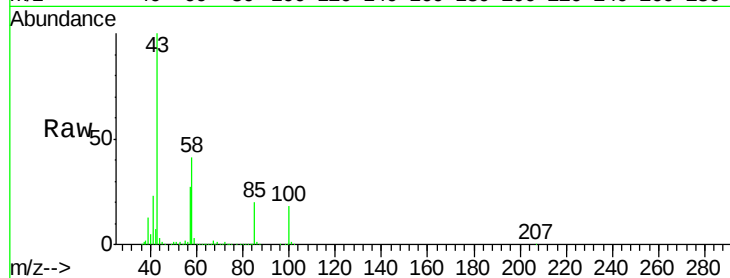
ClientSampled :

Tot Ion: 43 Resp: 2469381

Ion Ratio Lower Upper

43 100

58 40.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054406.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN054406.D (-2461) (-)

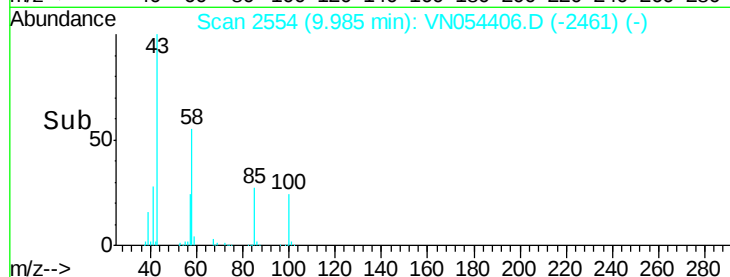
1500000

1000000

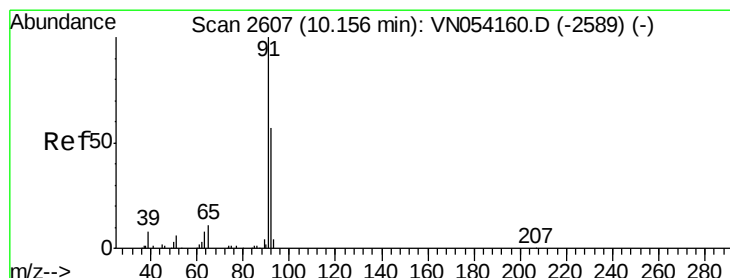
500000

0

Time-->



Time-->



#52

Toluene

Concen: 52.659 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054406.D

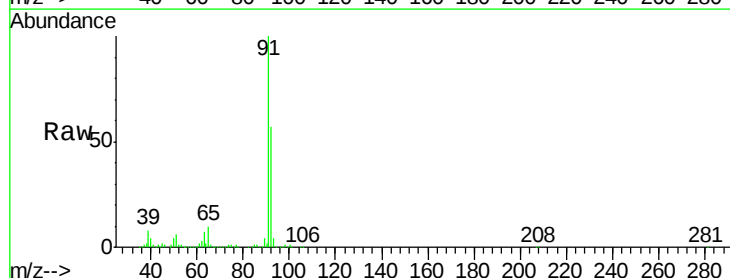
Acq: 18 Mar 2019 21:17

Tgt Ion: 92 Resp: 1577117

Ion Ratio Lower Upper

92 100

91 175.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054406.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN054406.D (-2514) (-)

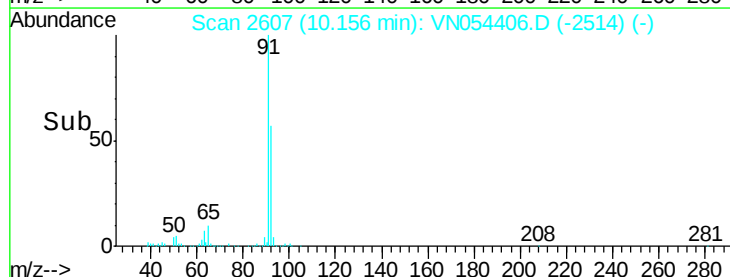
1500000

1000000

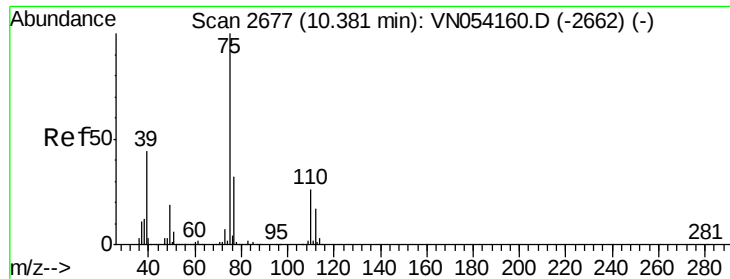
500000

0

Time-->



Time-->



#53

t-1,3-Dichloropropene

Concen: 42.903 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

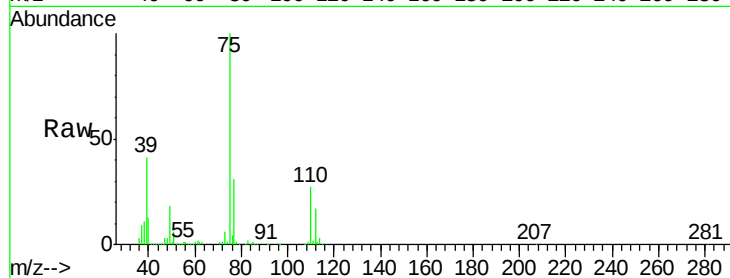
ClientSampleId :

Tot Ion: 75 Resp: 774237

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

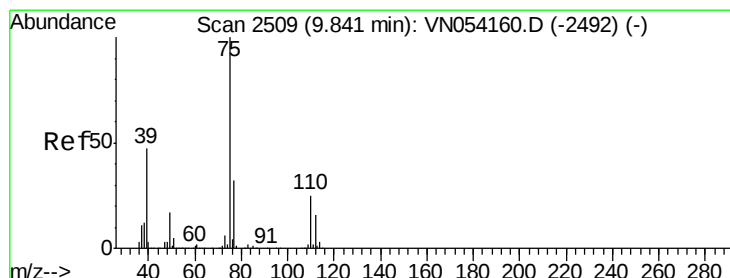
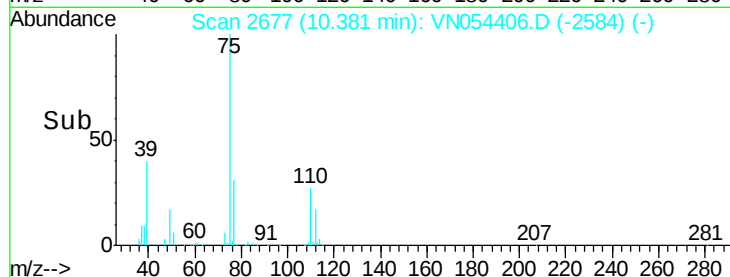
300000

200000

100000

0

Time--> 10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 50.109 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

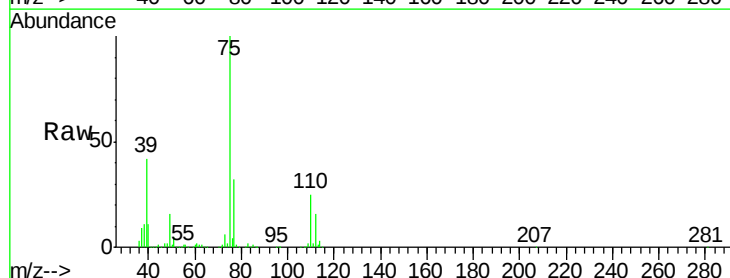
Tgt Ion: 75 Resp: 927660

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 42.1 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

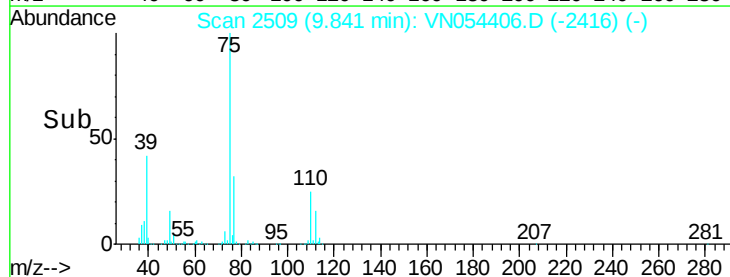
600000

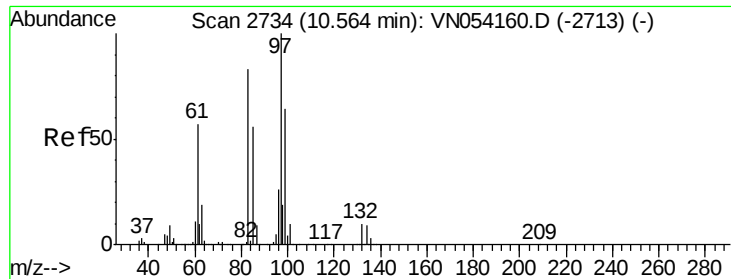
400000

200000

0

Time--> 9.80 9.90





#55

1,1,2-Trichloroethane

Concen: 54.033 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 590895

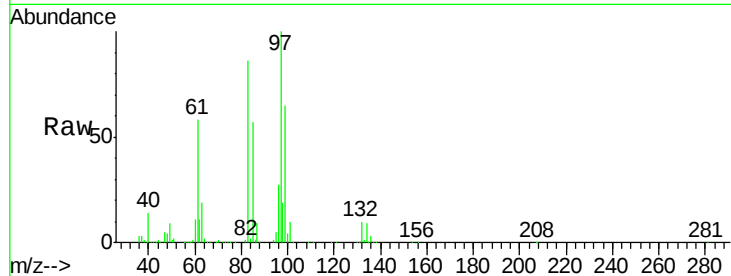
Ion Ratio Lower Upper

97 100

83 86.4 66.6 100.0

85 56.7 44.4 66.6

99 65.1 50.8 76.2

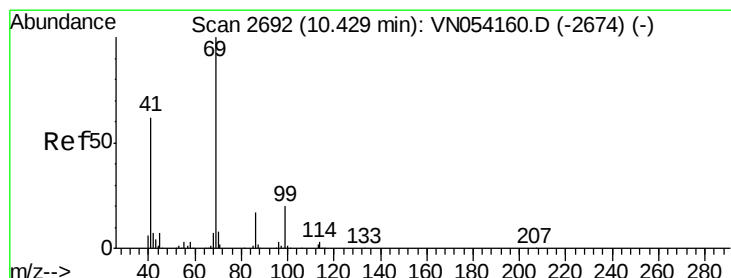
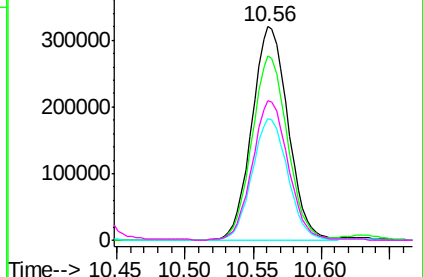
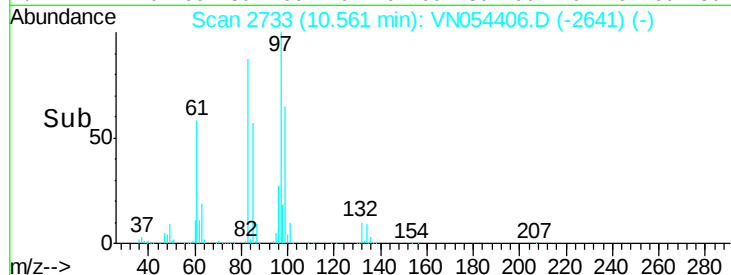


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.277 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

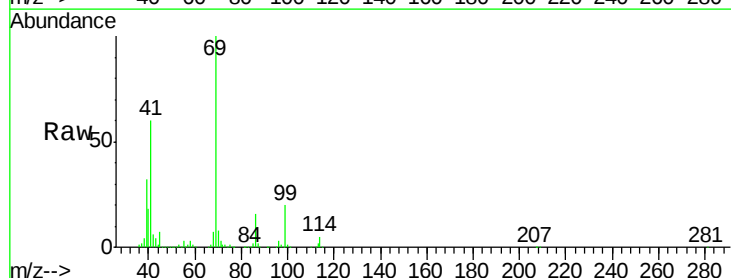
Tgt Ion: 69 Resp: 707751

Ion Ratio Lower Upper

69 100

41 59.1 49.4 74.2

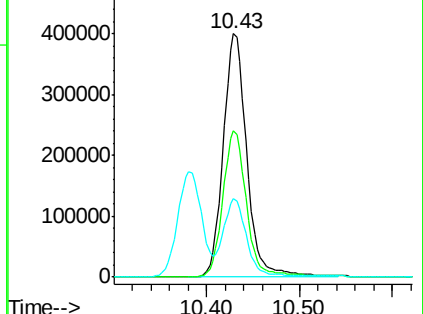
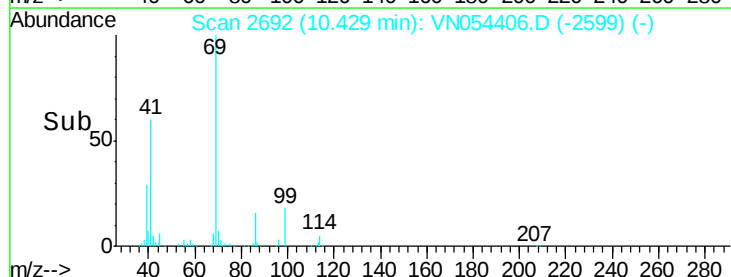
39 30.4 28.3 42.5

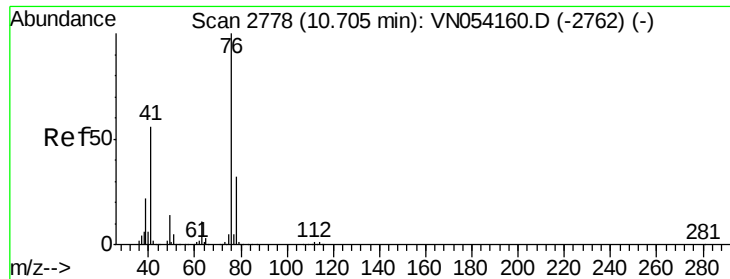


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.418 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

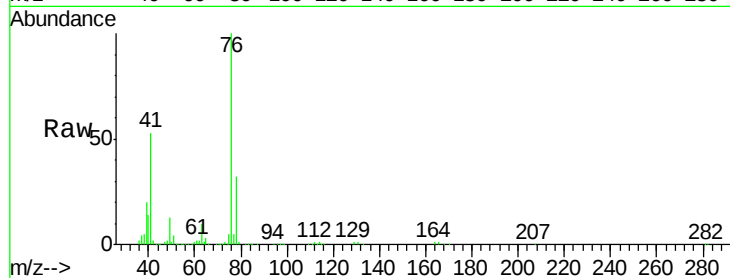
ClientSampled :

Tot Ion: 76 Resp: 973081

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

600000

500000

400000

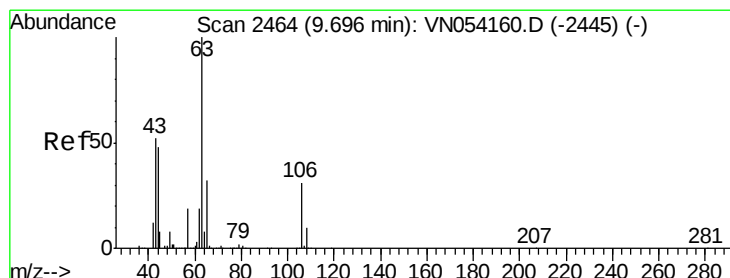
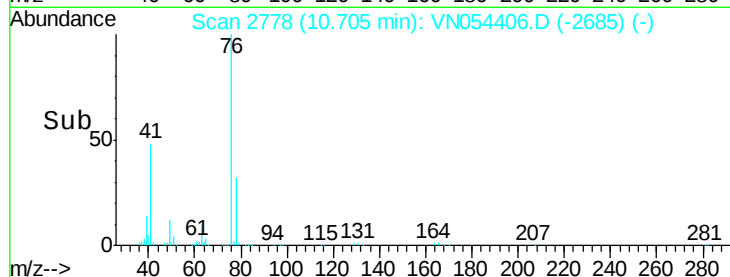
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 242.285 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054406.D

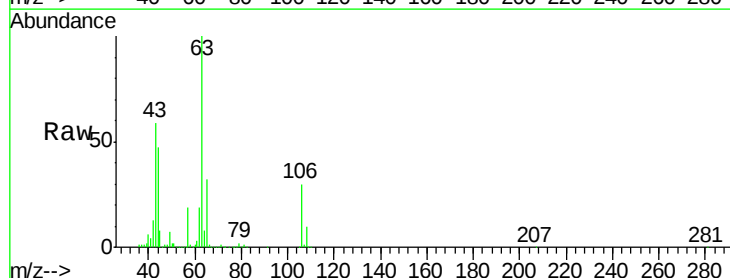
Acq: 18 Mar 2019 21:17

Tgt Ion: 63 Resp: 1367480

Ion Ratio Lower Upper

63 100

106 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

800000

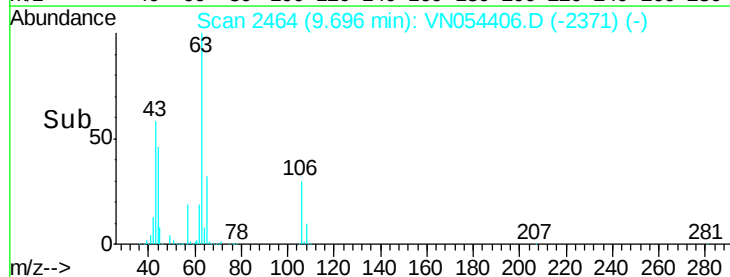
600000

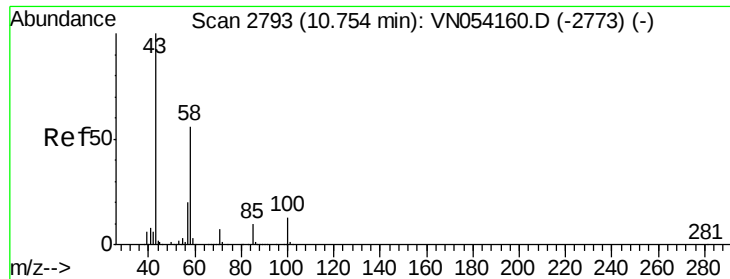
400000

200000

0

Time--> 9.60 9.70 9.80

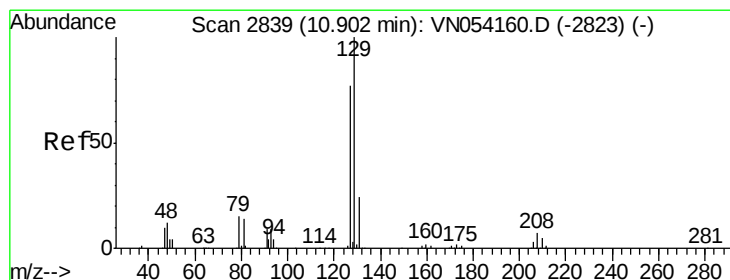
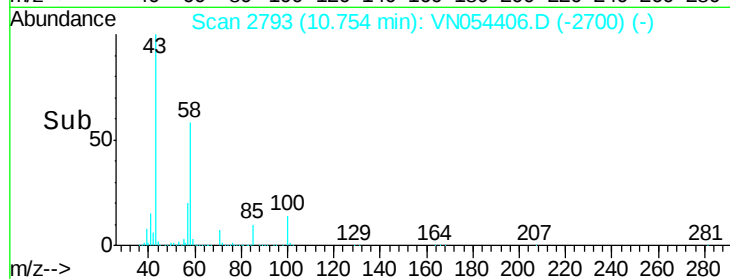
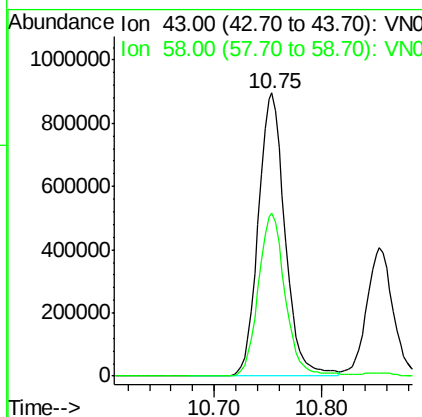
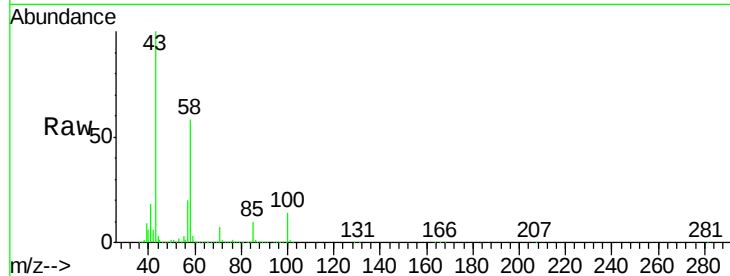




#59
2-Hexanone
Concen: 261.275 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

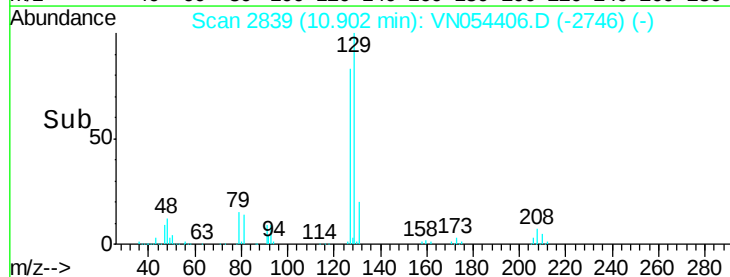
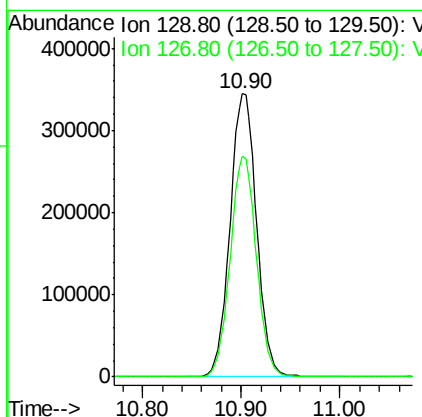
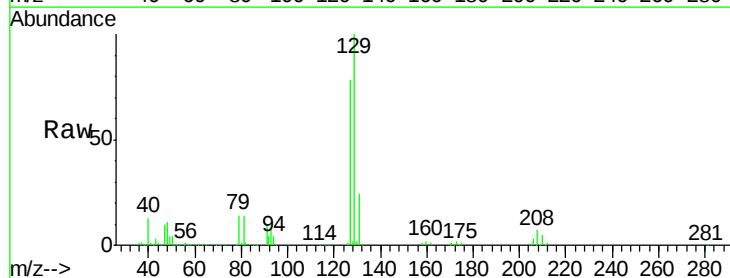
Instrument :
MSVOA_N
ClientSampled :

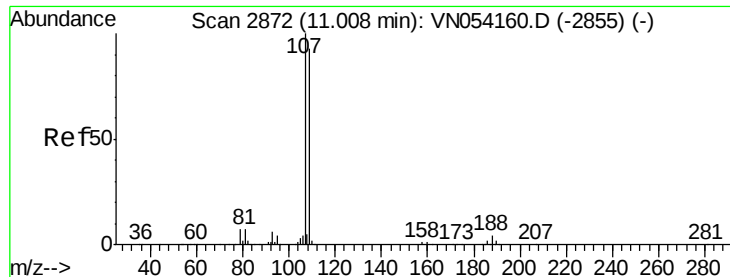
Tot Ion: 43 Resp: 1531629
Ion Ratio Lower Upper
43 100
58 57.8 28.0 83.9



#60
Dibromochloromethane
Concen: 52.479 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 129 Resp: 645960
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

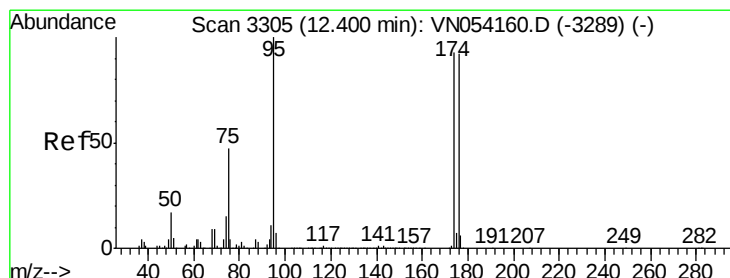
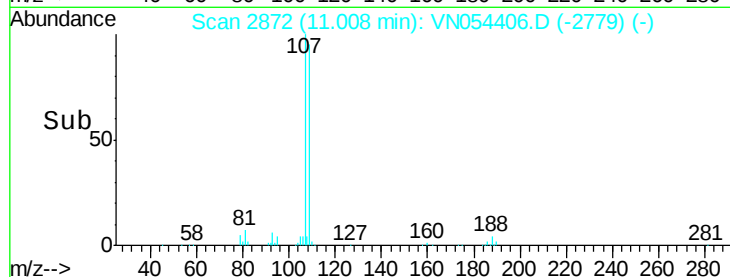
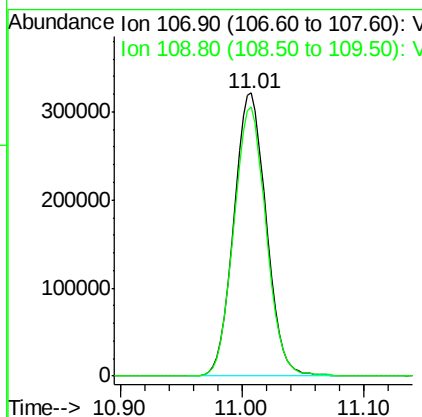
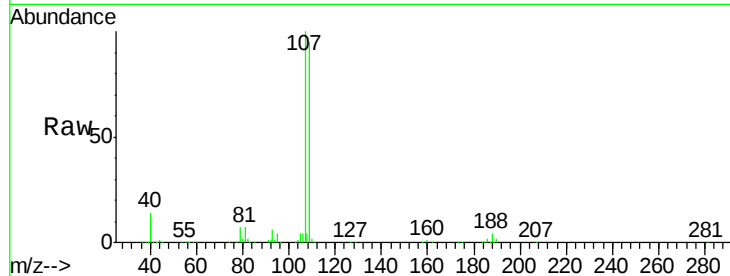




#61
 1,2-Dibromoethane
 Concen: 53.277 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

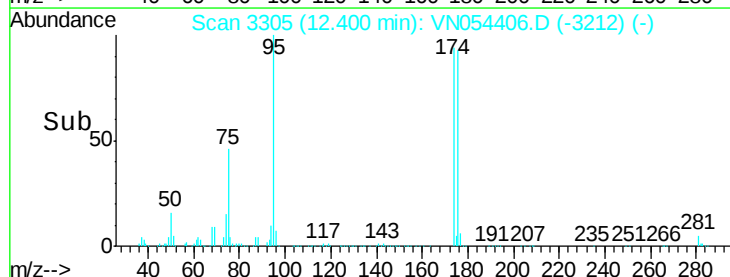
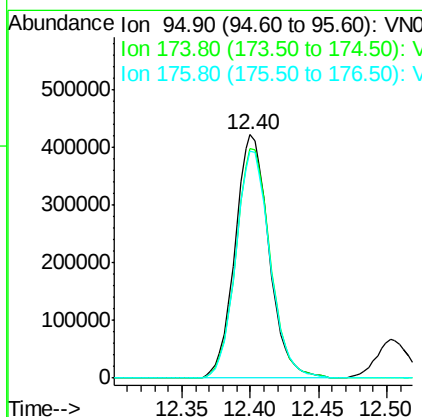
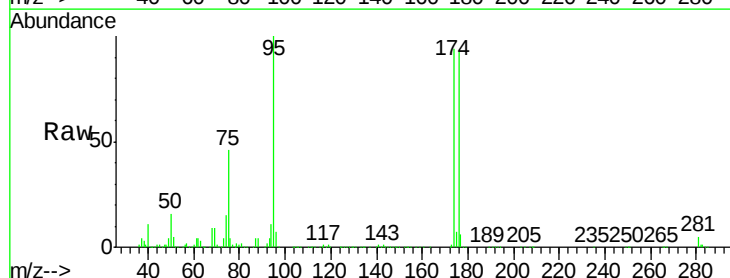
Instrument :
 MSVOA_N
 ClientSampled :

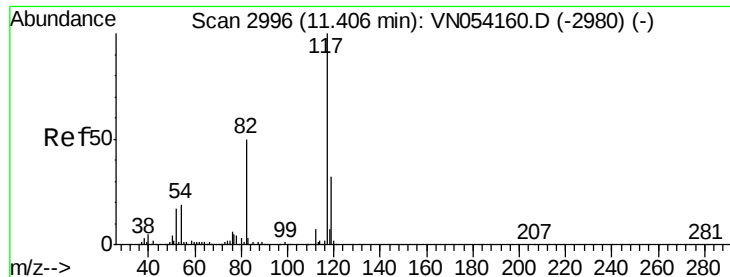
Tot Ion:107 Resp: 592075
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.875 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 95 Resp: 730105
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 191.0
 176 94.0 0.0 187.4

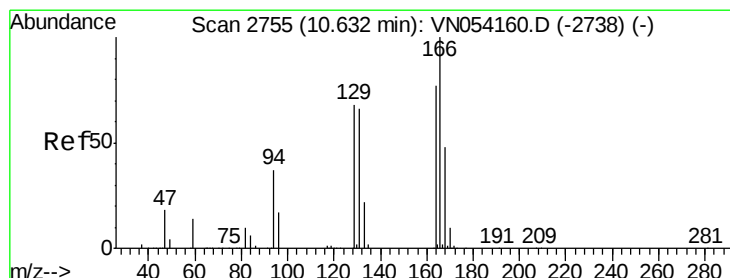
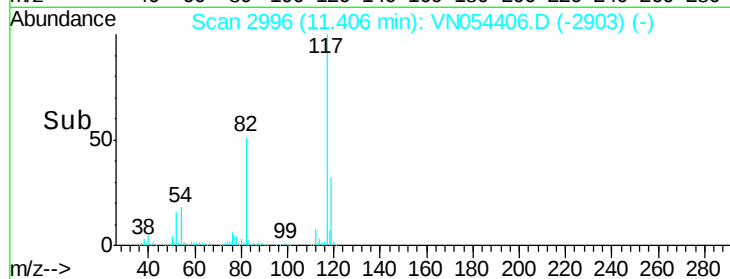
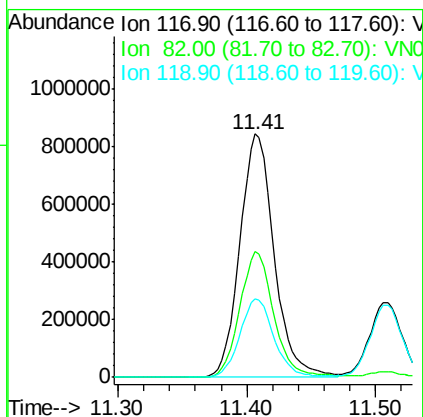
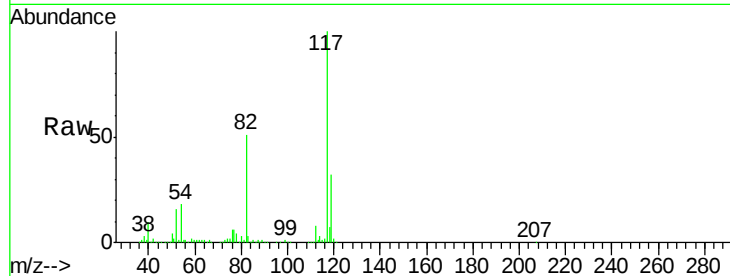




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

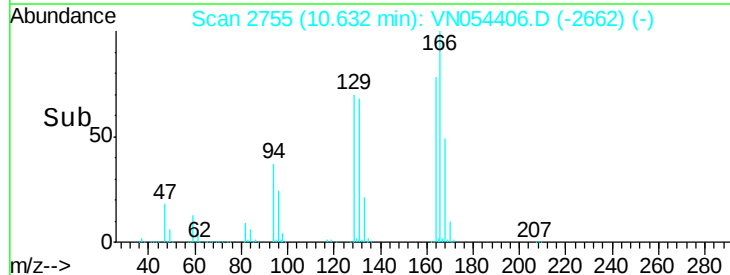
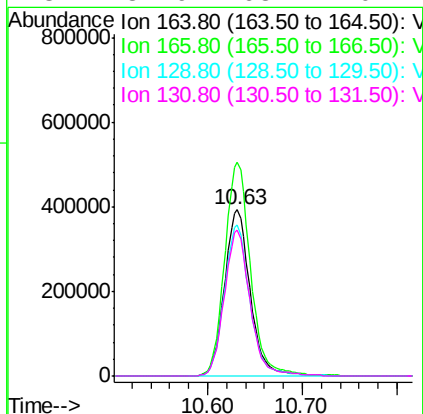
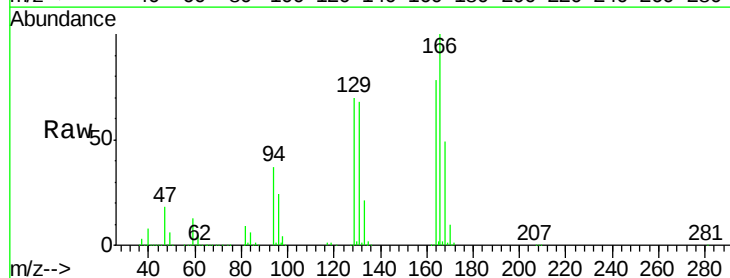
Instrument :
MSVOA_N
ClientSampled :

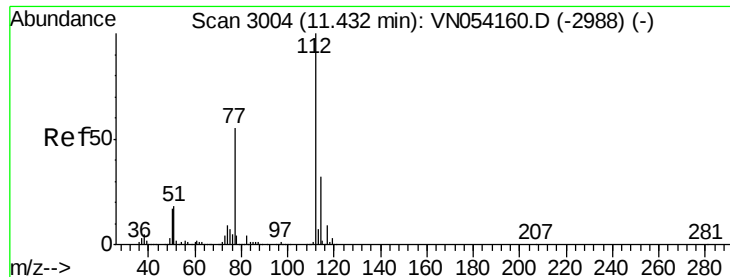
Tot Ion:117 Resp: 1564607
Ion Ratio Lower Upper
117 100
82 51.5 40.0 60.0
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 49.097 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion:164 Resp: 742714
Ion Ratio Lower Upper
164 100
166 128.7 103.9 155.9
129 90.7 71.1 106.7
131 87.9 68.2 102.4





#65

Chlorobenzene

Concen: 52.852 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

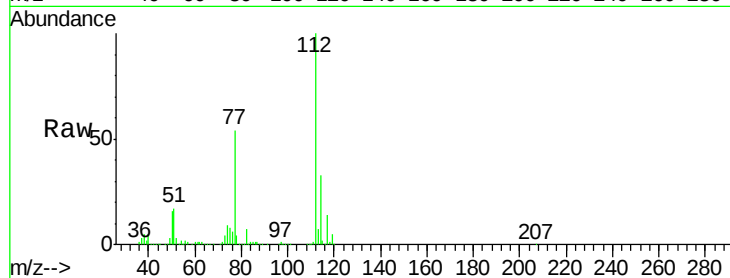
ClientSampled :

Tot Ion:112 Resp: 1815700

Ion Ratio Lower Upper

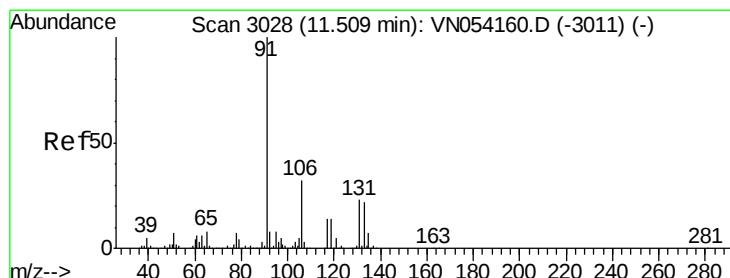
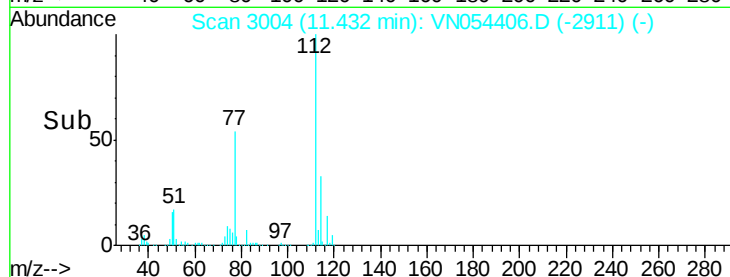
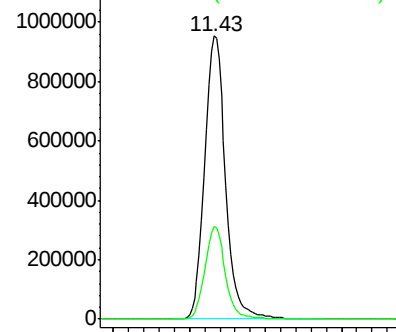
112 100

114 32.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.427 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

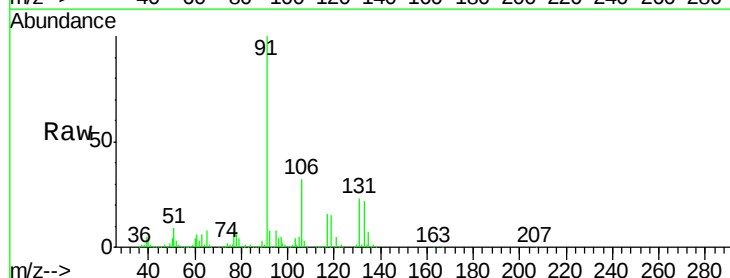
Tgt Ion:131 Resp: 666772

Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

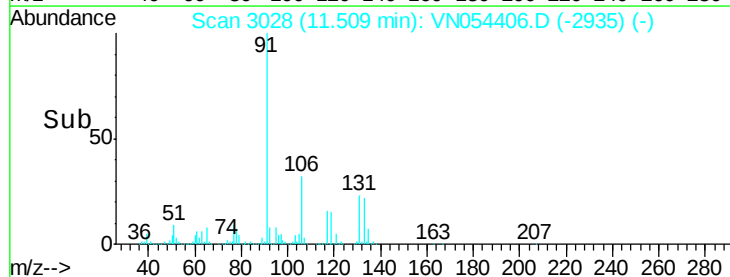
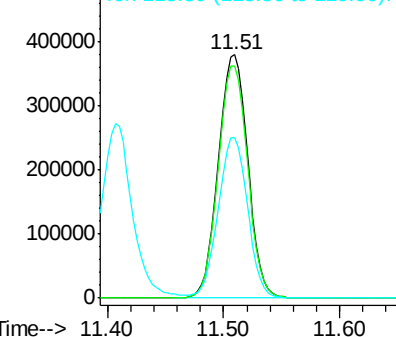
119 66.1 32.4 97.0

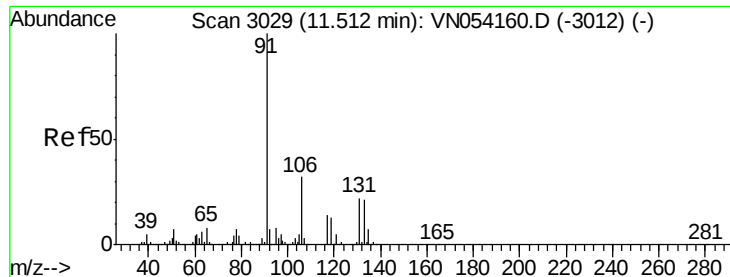


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

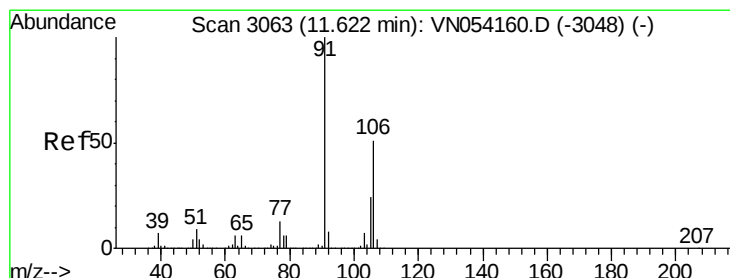
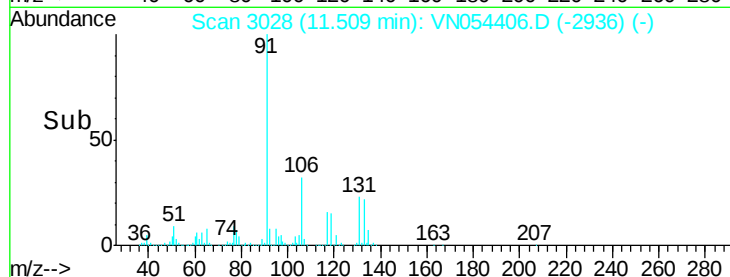
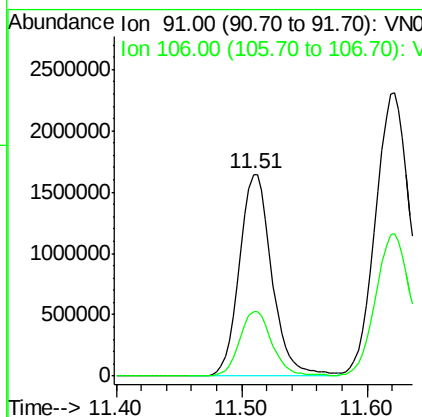
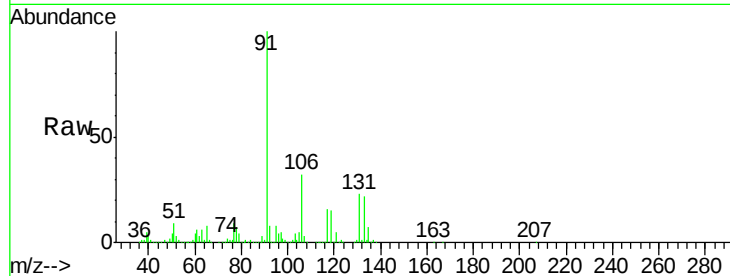




#67
Ethyl Benzene
Concen: 52.146 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

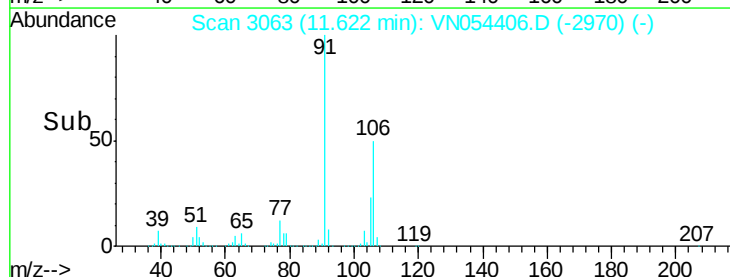
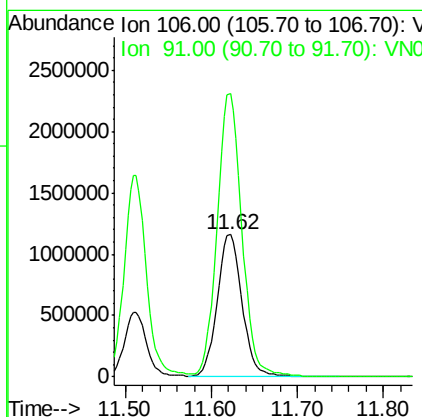
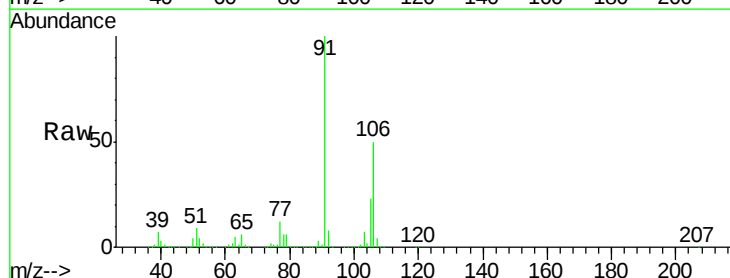
Instrument :
MSVOA_N
ClientSampled :

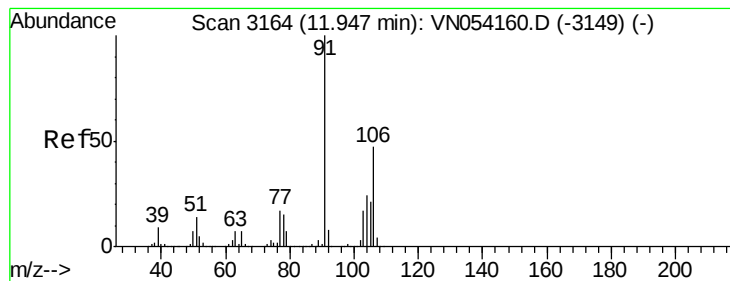
Tot Ion: 91 Resp: 2969615
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 104.810 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 106 Resp: 2332883
Ion Ratio Lower Upper
106 100
91 198.7 159.4 239.2





#69

o-Xylene

Concen: 53.169 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

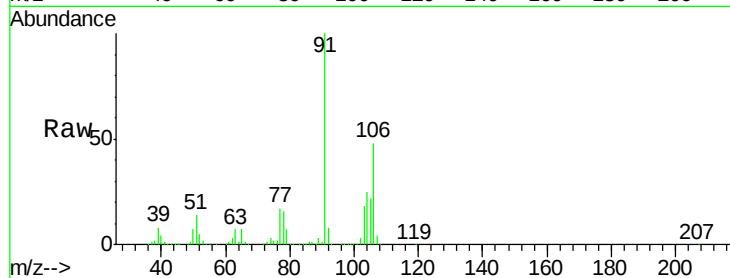
ClientSampled :

Tot Ion:106 Resp: 1153649

Ion Ratio Lower Upper

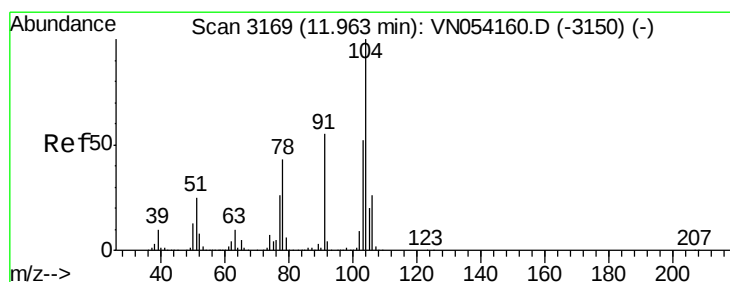
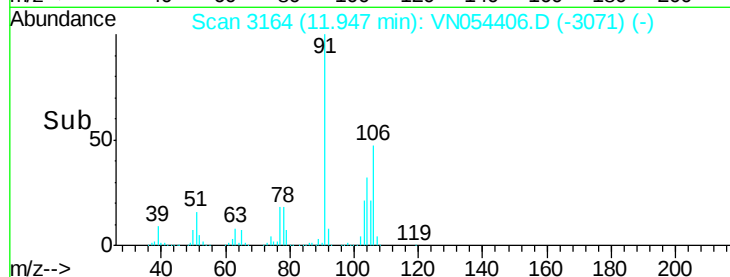
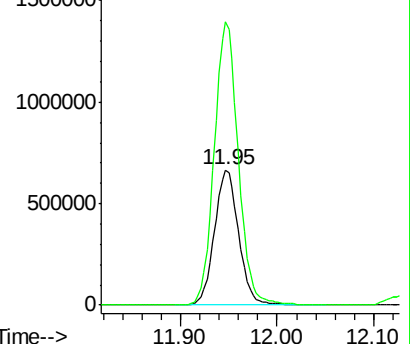
106 100

91 208.2 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 53.822 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

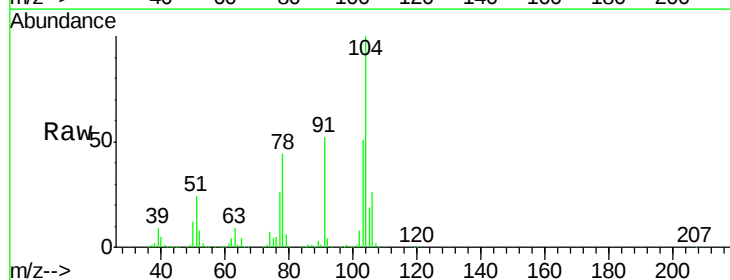
Tgt Ion:104 Resp: 1831540

Ion Ratio Lower Upper

104 100

78 47.2 38.2 57.2

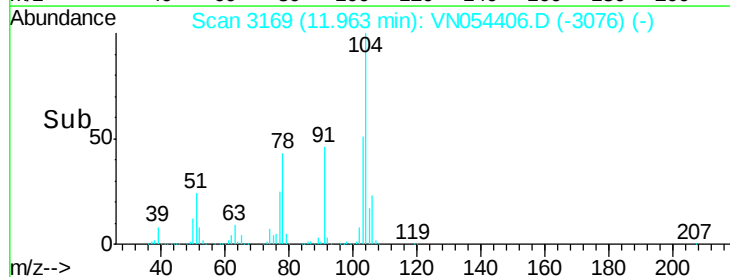
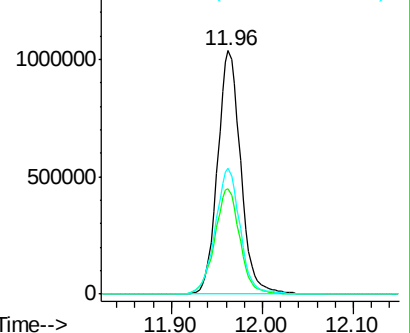
103 55.3 44.4 66.6

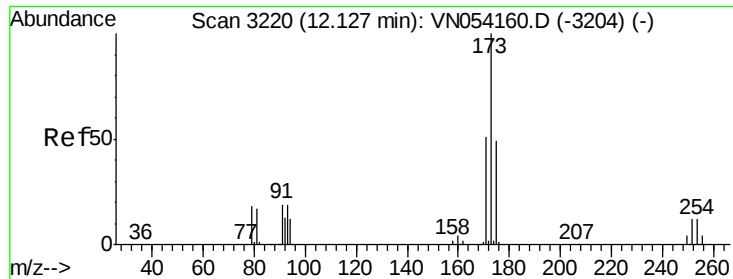


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V

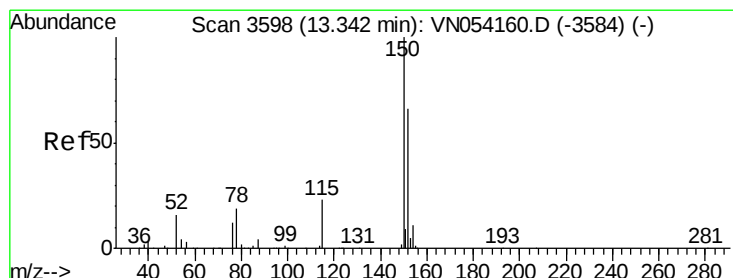
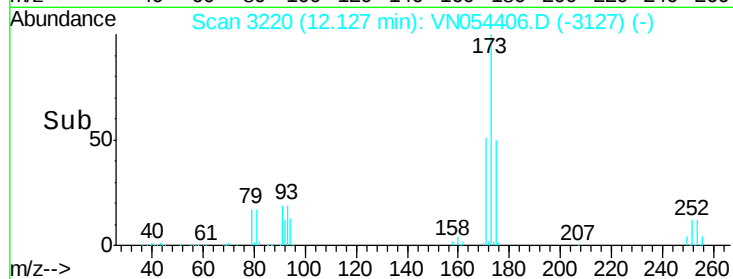
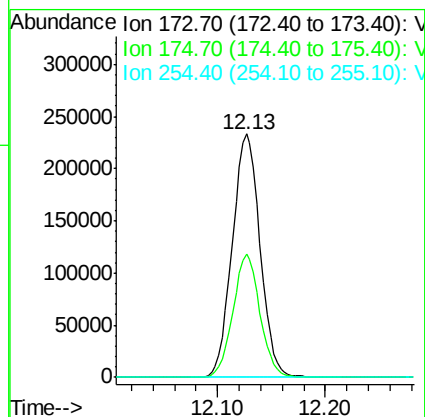
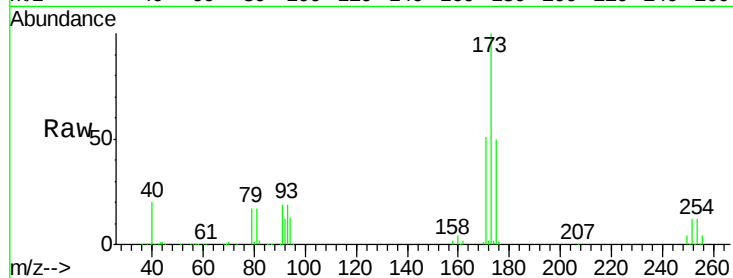




#71
Bromoform
Concen: 44.314 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

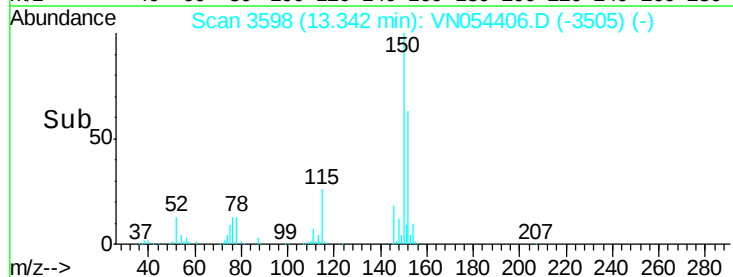
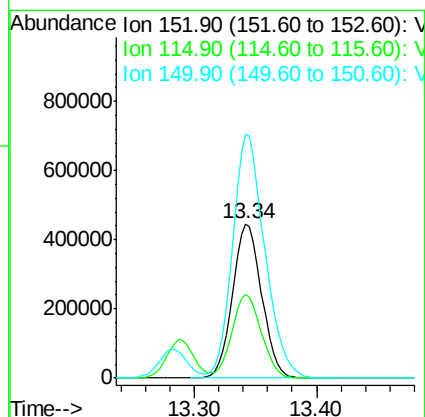
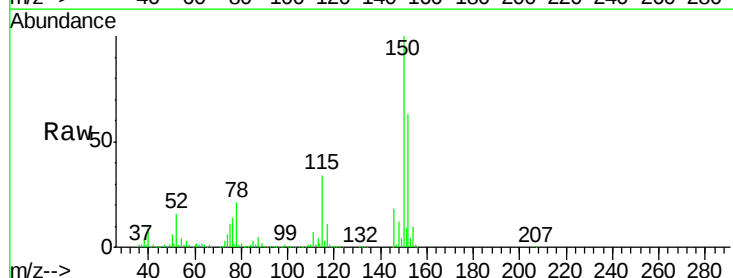
Instrument :
MSVOA_N
ClientSampleId :

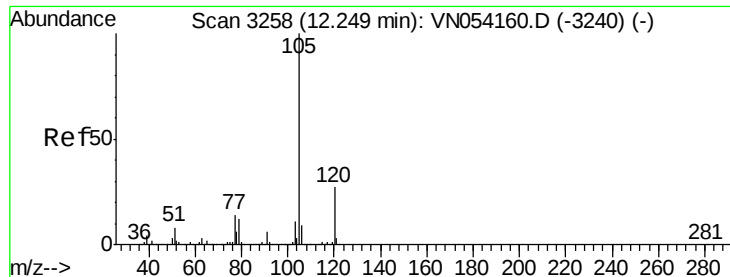
Tot Ion:173 Resp: 418907
Ion Ratio Lower Upper
173 100
175 49.0 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion:152 Resp: 739363
Ion Ratio Lower Upper
152 100
115 54.7 27.2 81.6
150 174.9 0.0 349.2





#73

Isopropylbenzene

Concen: 50.612 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

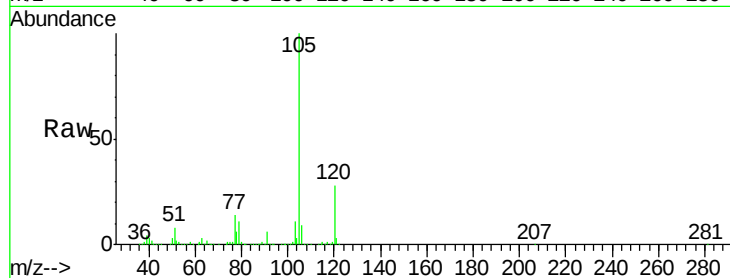
ClientSampleId :

Tot Ion:105 Resp: 2993892

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

1000000

500000

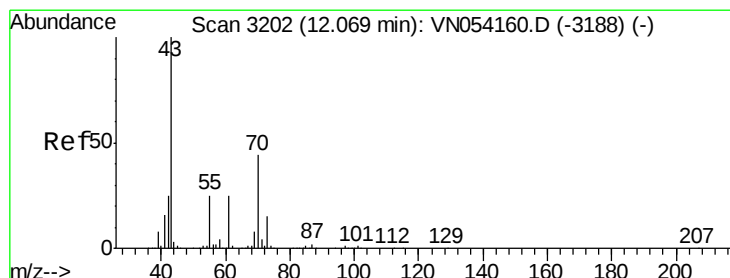
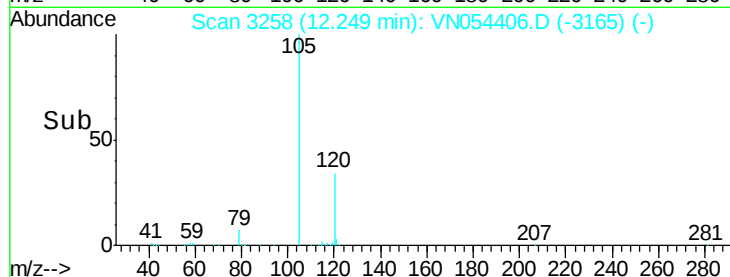
0

12.25

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 52.456 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion: 43 Resp: 688752

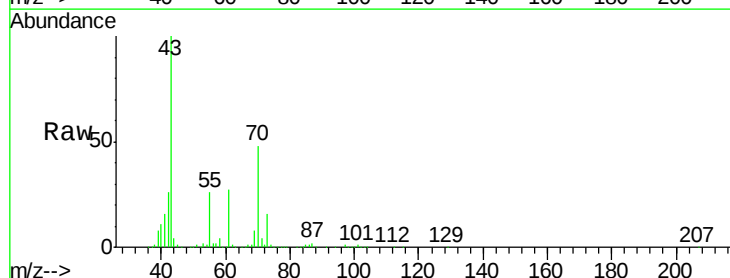
Ion Ratio Lower Upper

43 100

70 47.6 35.4 53.0

55 26.7 19.8 29.6

61 26.3 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

400000

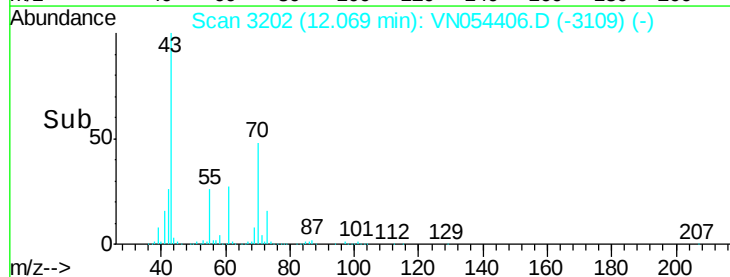
200000

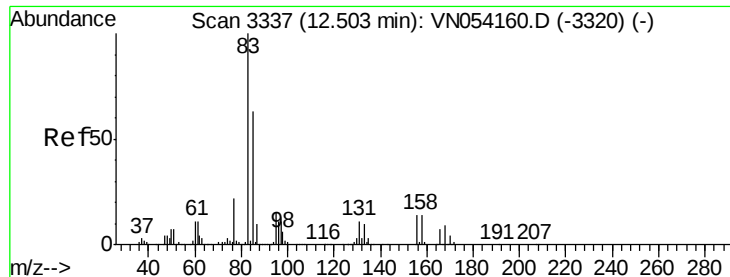
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.638 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

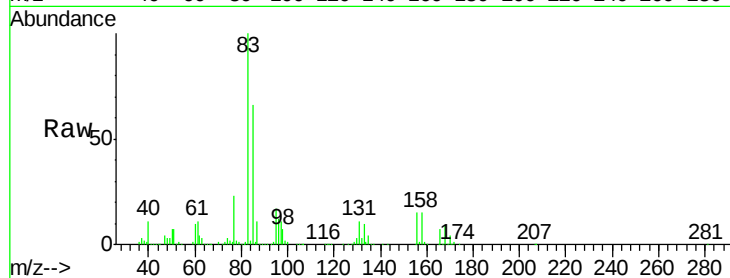
Tot Ion: 83 Resp: 688605

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.4

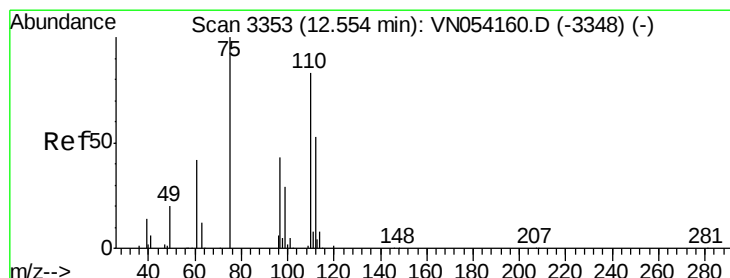
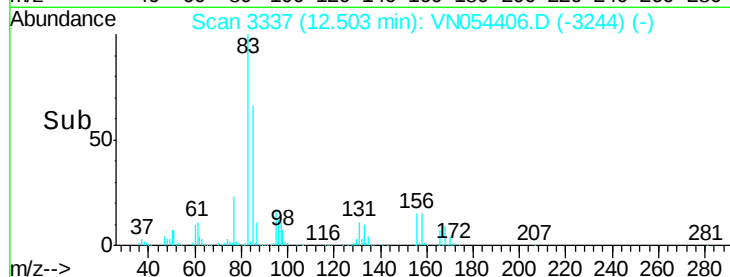
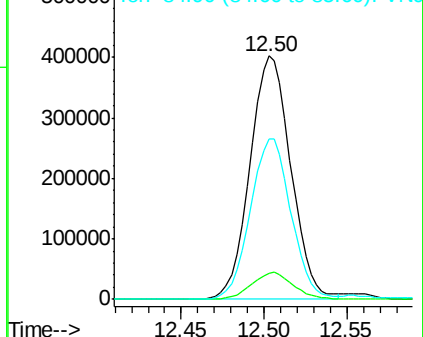
85 65.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054406.D (-3320) (-)

Ion 130.80 (130.50 to 131.50): VN054406.D (-3320) (-)

Ion 84.90 (84.60 to 85.60): VN054406.D (-3320) (-)



#76

1,2,3-Trichloropropane

Concen: 74.484 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054406.D

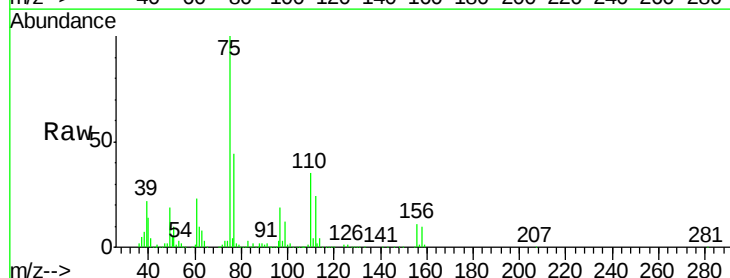
Acq: 18 Mar 2019 21:17

Tgt Ion: 75 Resp: 809838

Ion Ratio Lower Upper

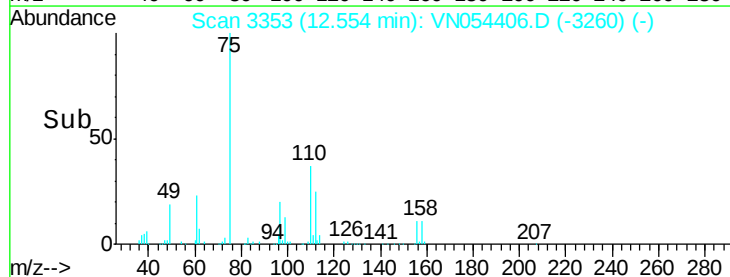
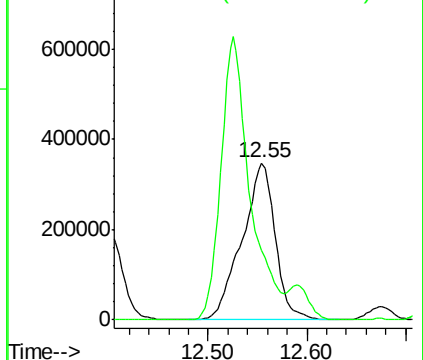
75 100

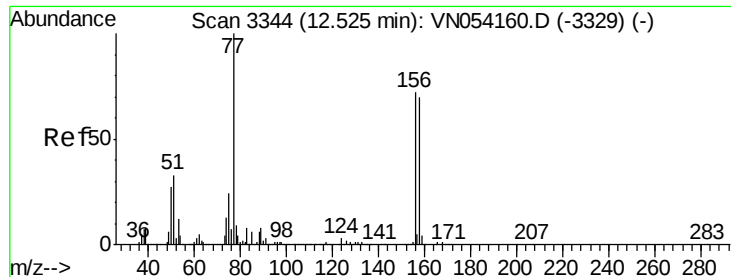
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054406.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054406.D (-3348) (-)





#77

Bromobenzene

Concen: 51.340 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

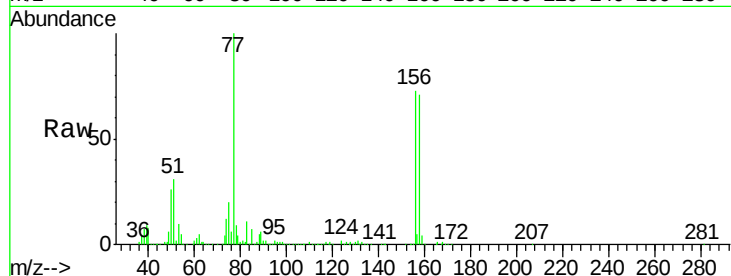
Tot Ion:156 Resp: 803626

Ion Ratio Lower Upper

156 100

77 161.1 81.5 244.4

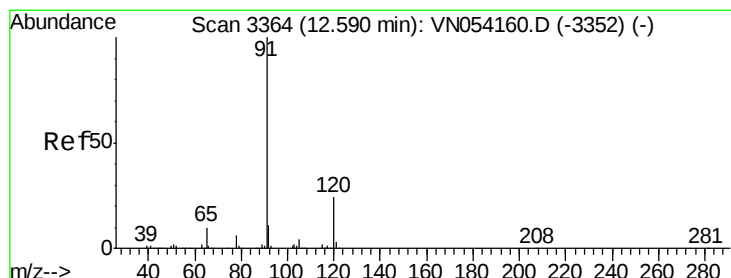
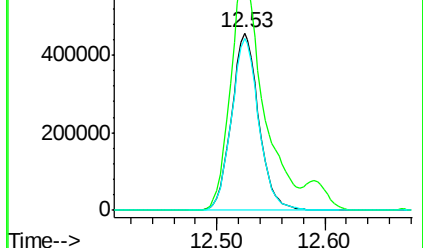
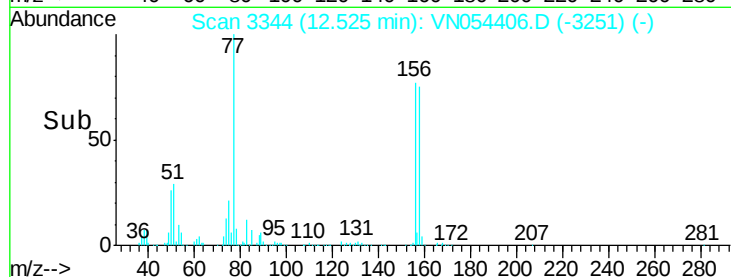
158 97.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.642 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054406.D

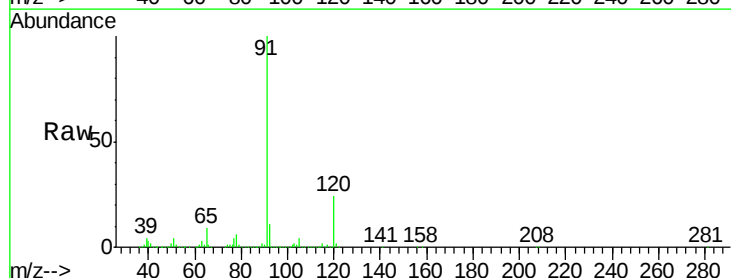
Acq: 18 Mar 2019 21:17

Tgt Ion: 91 Resp: 3250515

Ion Ratio Lower Upper

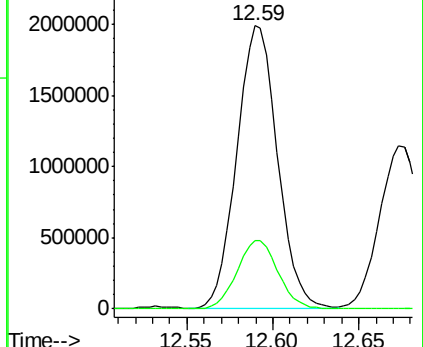
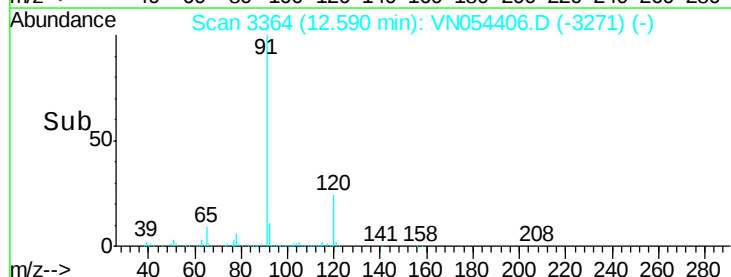
91 100

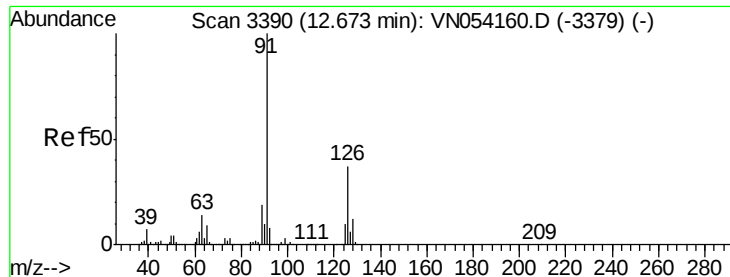
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.287 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

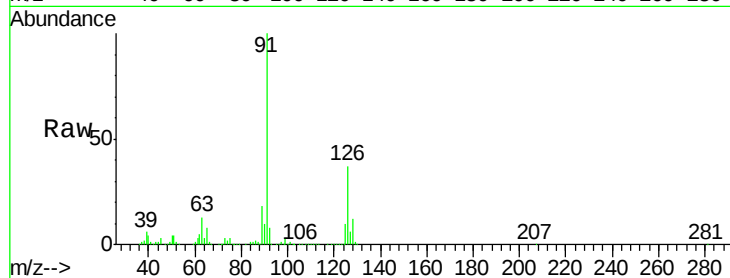
ClientSampleId :

Tot Ion: 91 Resp: 1979295

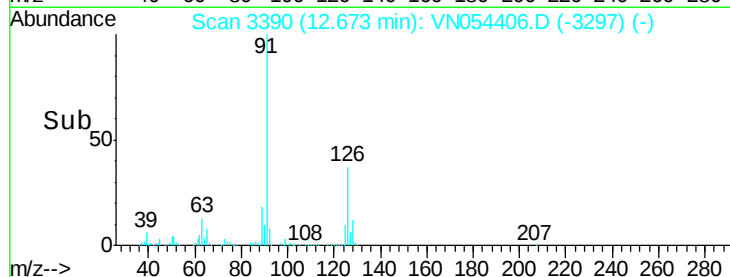
Ion Ratio Lower Upper

91 100

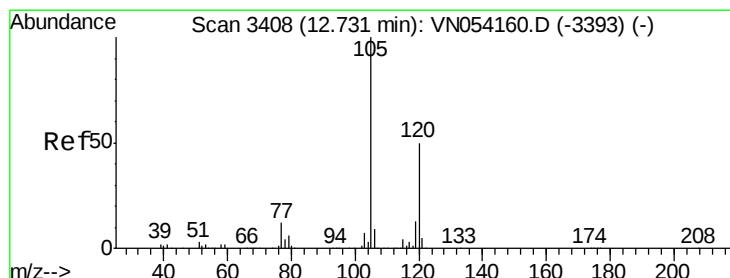
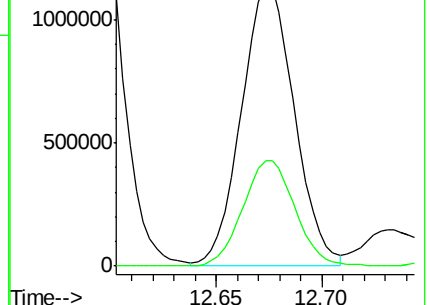
126 37.6 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054406.D (-3397) (-)



Ion 125.90 (125.60 to 126.60): VN054406.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.972 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054406.D

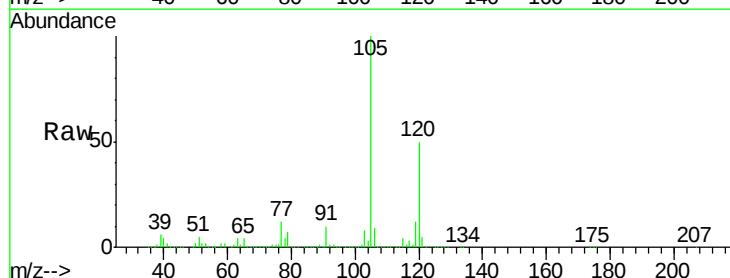
Acq: 18 Mar 2019 21:17

Tgt Ion: 105 Resp: 2458803

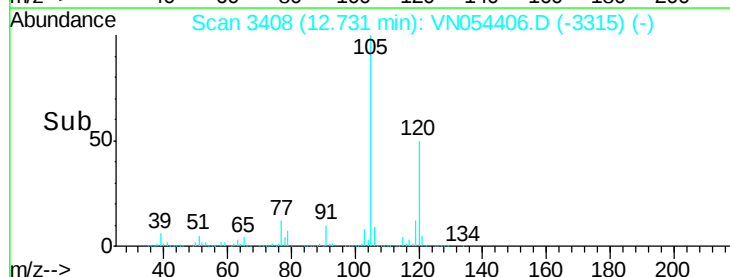
Ion Ratio Lower Upper

105 100

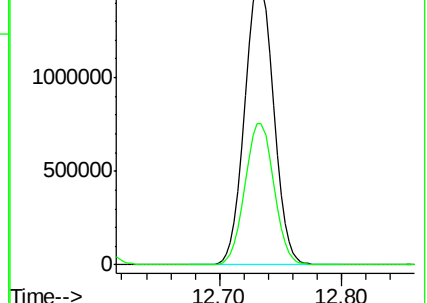
120 50.3 25.0 75.0

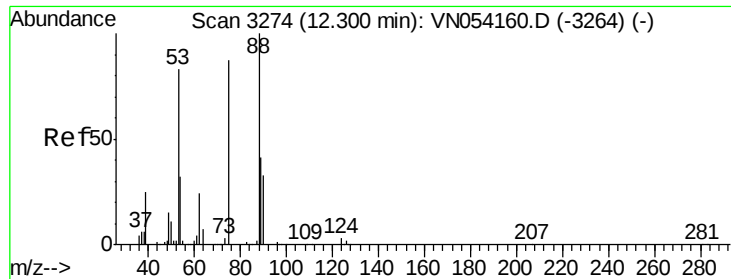


Abundance Ion 105.00 (104.70 to 105.70): VN054406.D (-3315) (-)



Ion 120.00 (119.70 to 120.70): VN054406.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 41.484 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

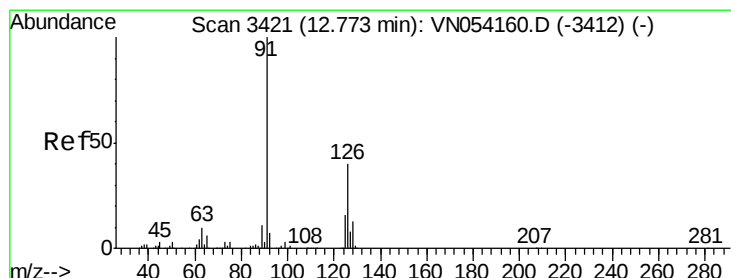
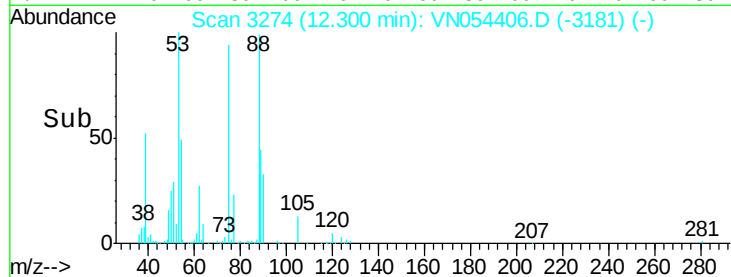
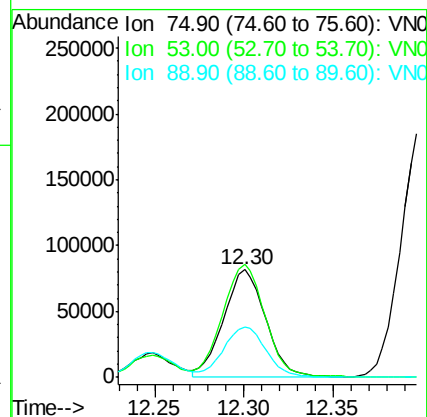
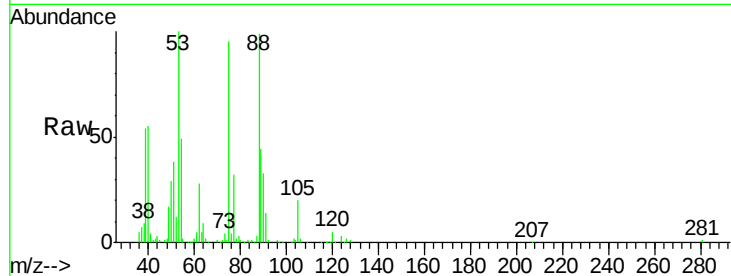
Tot Ion: 75 Resp: 131945

Ion Ratio Lower Upper

75 100

53 108.1 76.2 114.2

89 48.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 50.752 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054406.D

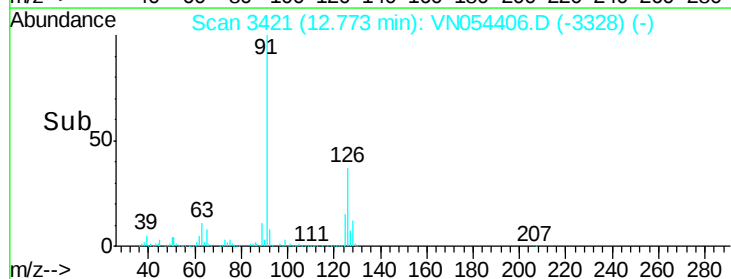
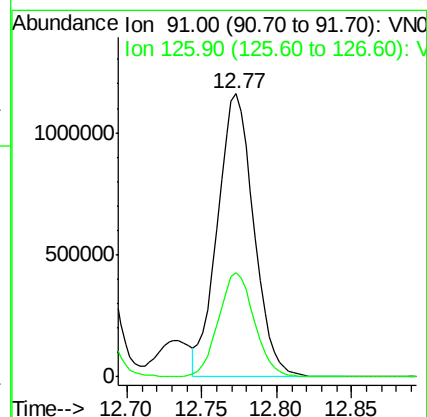
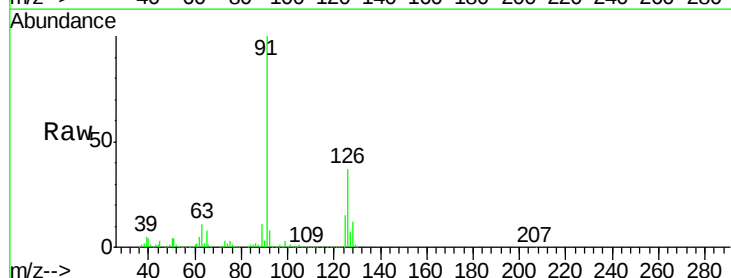
Acq: 18 Mar 2019 21:17

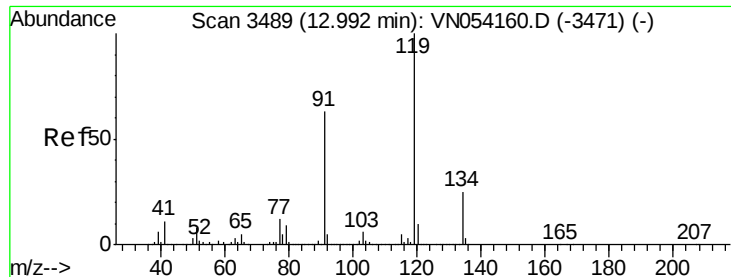
Tgt Ion: 91 Resp: 1955782

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.1

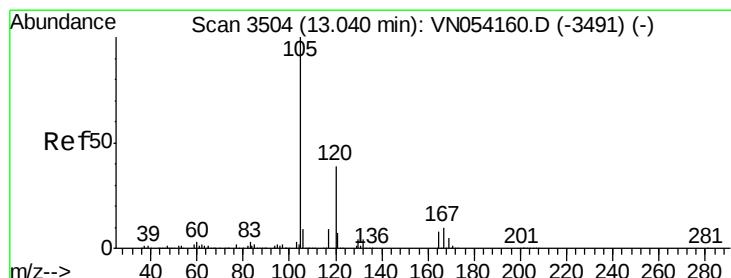
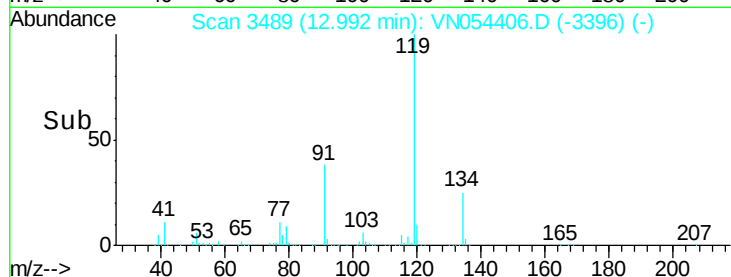
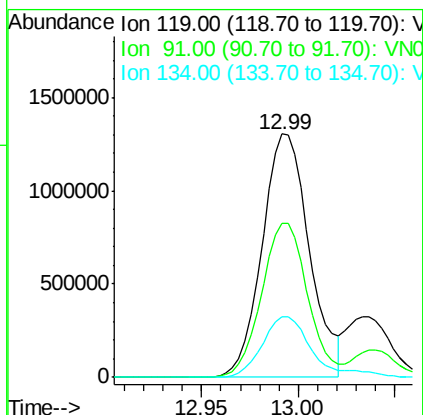
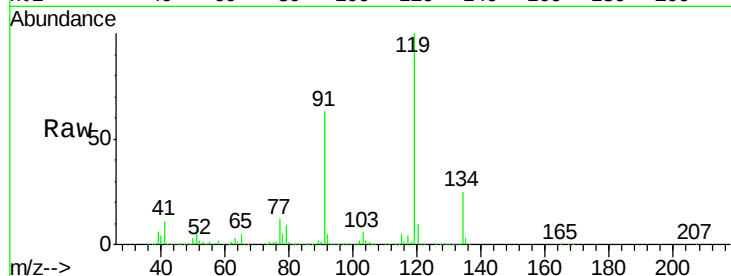




#83
tert-Butylbenzene
Concen: 49.227 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

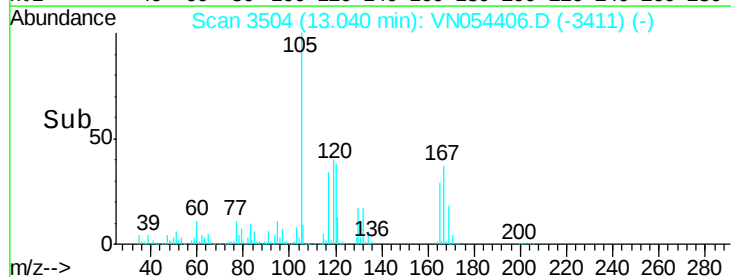
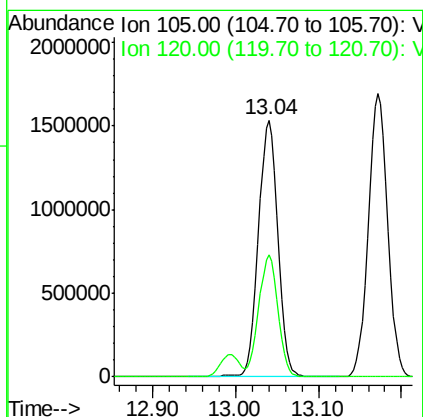
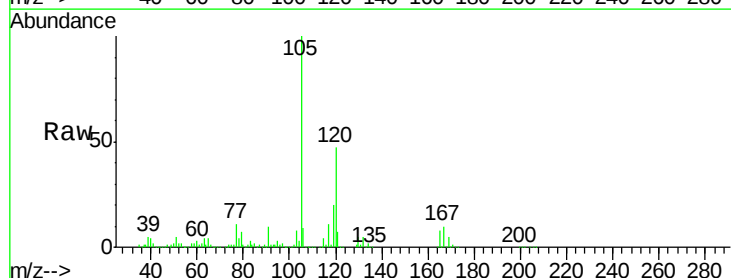
Instrument :
MSVOA_N
ClientSampled :

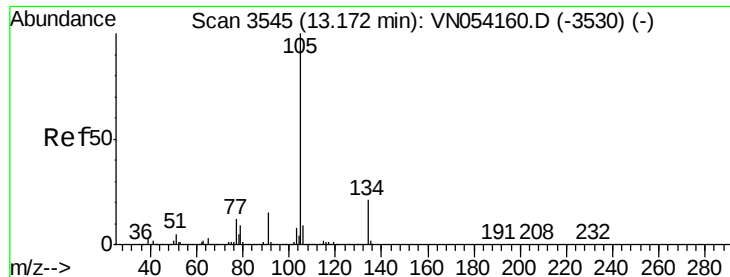
Tot Ion:119 Resp: 2229444
Ion Ratio Lower Upper
119 100
91 61.2 30.9 92.8
134 26.4 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 51.549 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion:105 Resp: 2488295
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 47.281 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

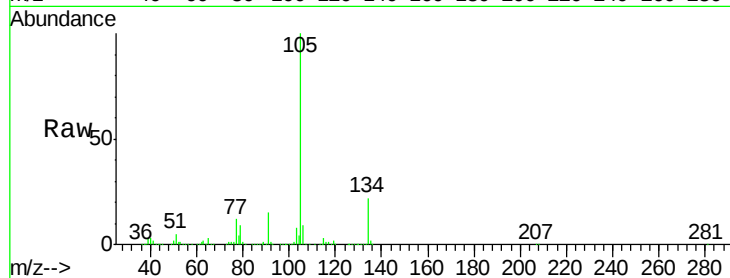
ClientSampleId :

Tot Ion:105 Resp: 2776971

Ion Ratio Lower Upper

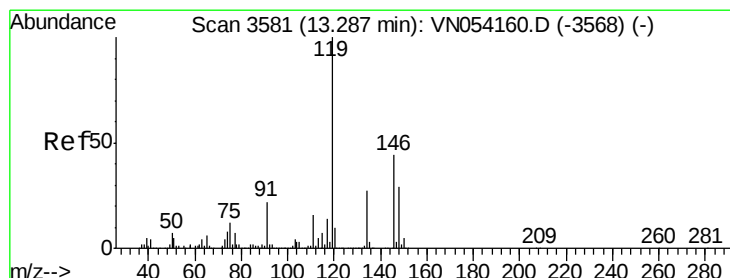
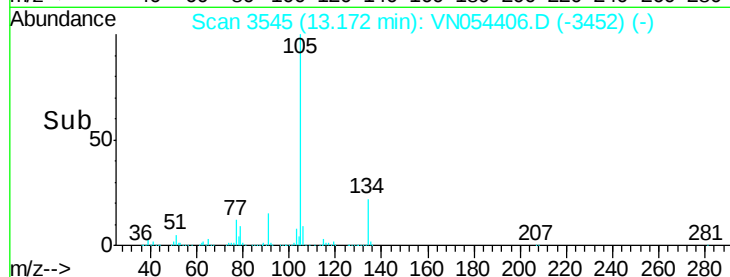
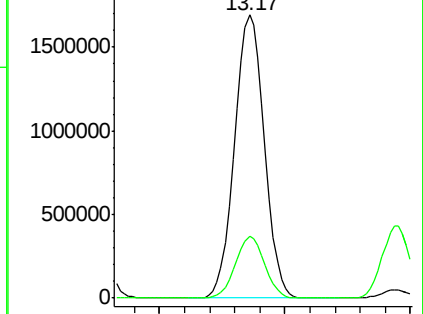
105 100

134 21.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.699 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

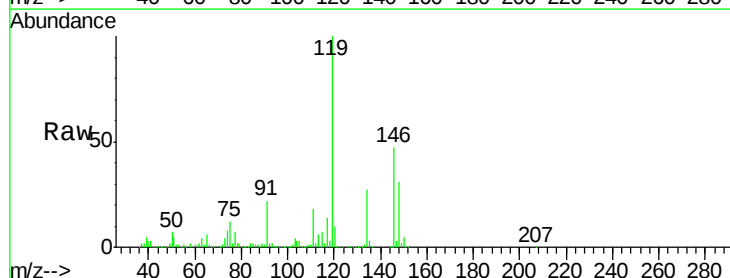
Tgt Ion:119 Resp: 2457796

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

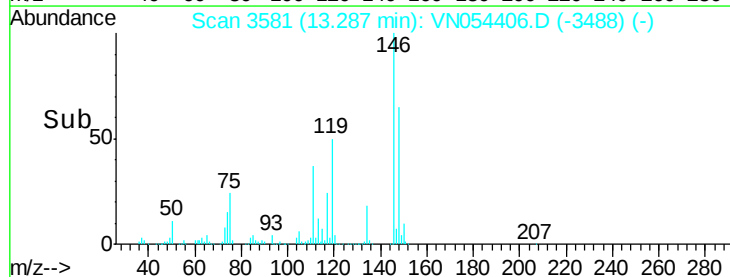
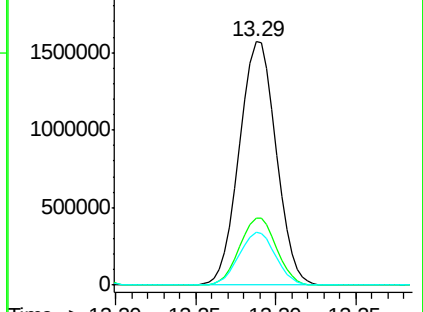
91 21.5 11.1 33.3

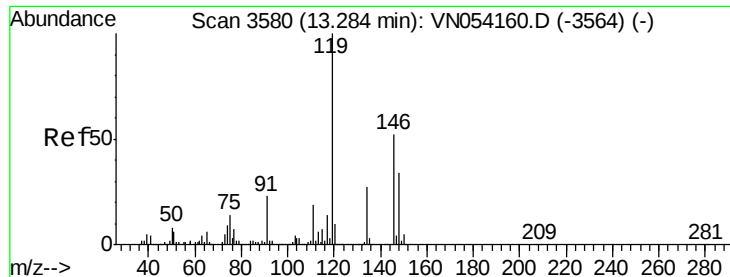


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.642 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

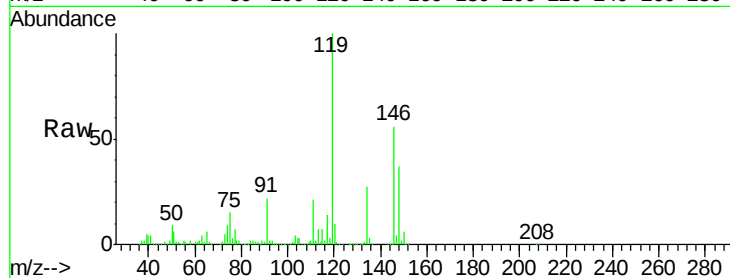
Tot Ion:146 Resp: 1362104

Ion Ratio Lower Upper

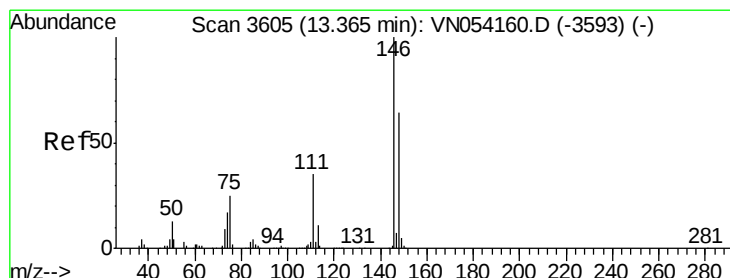
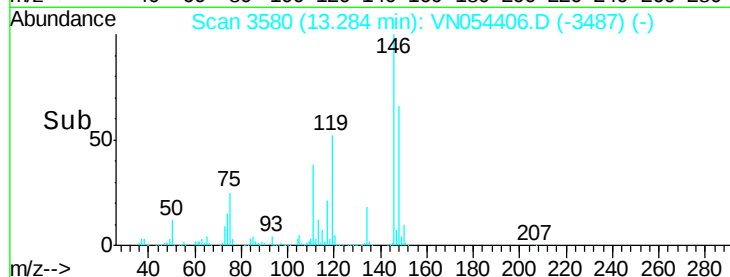
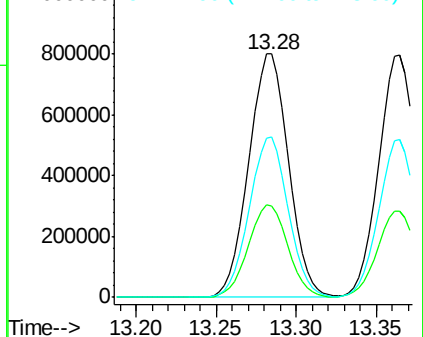
146 100

111 37.7 18.8 56.3

148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.315 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

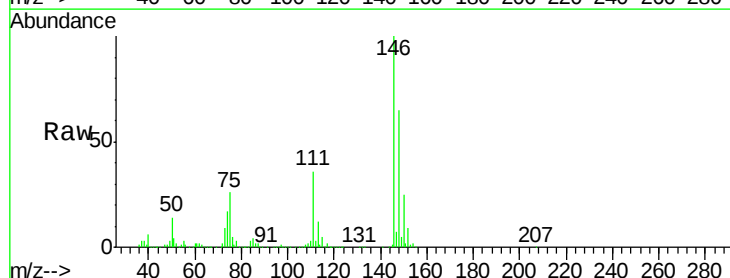
Tgt Ion:146 Resp: 1329607

Ion Ratio Lower Upper

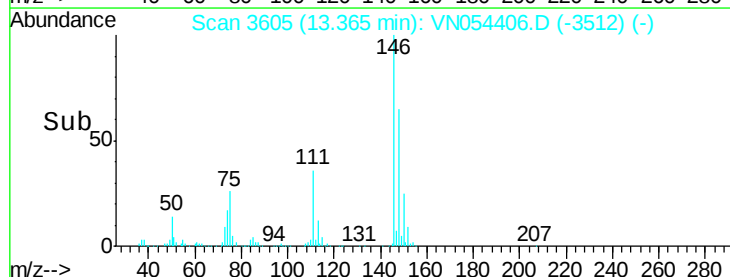
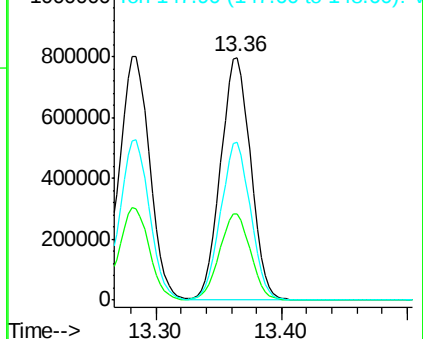
146 100

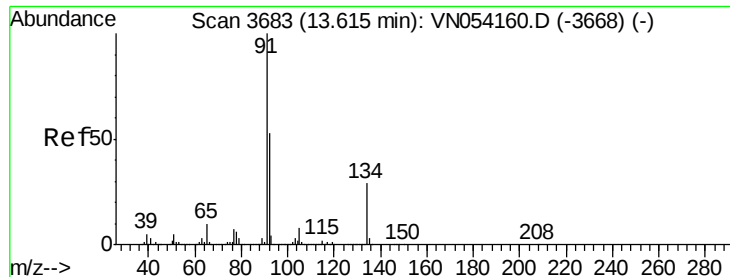
111 36.6 18.1 54.1

148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.147 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

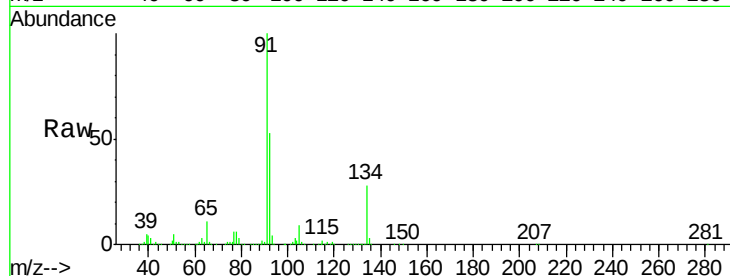
Tot Ion: 91 Resp: 1845819

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.6

134 28.3 14.3 42.9

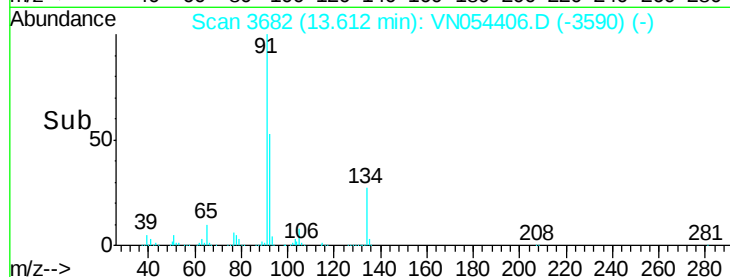


Abundance Ion 91.00 (90.70 to 91.70): VN054406.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN054406.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN054406.D (-3683) (-)

Time-->

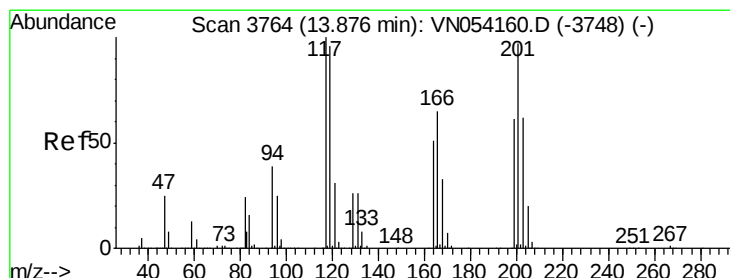


Abundance Ion 91.00 (90.70 to 91.70): VN054406.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054406.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054406.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 44.838 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054406.D

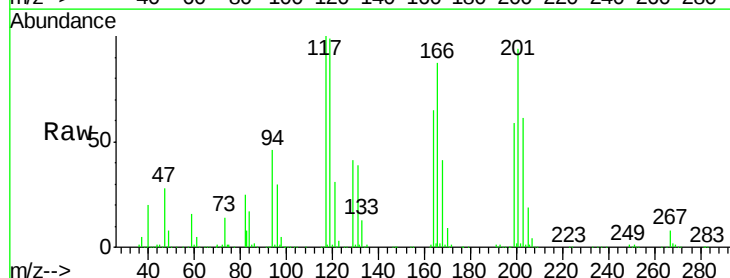
Acq: 18 Mar 2019 21:17

Tgt Ion: 117 Resp: 382555

Ion Ratio Lower Upper

117 100

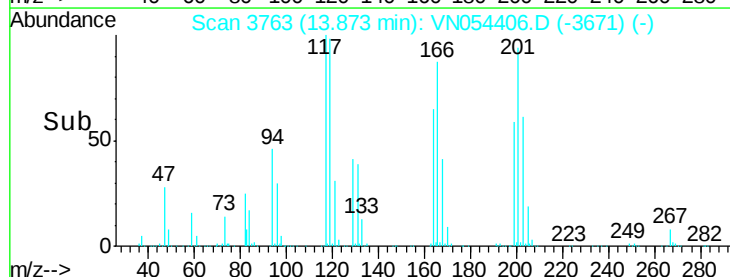
201 94.8 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054406.D (-3764) (-)

Ion 200.70 (200.40 to 201.40): VN054406.D (-3764) (-)

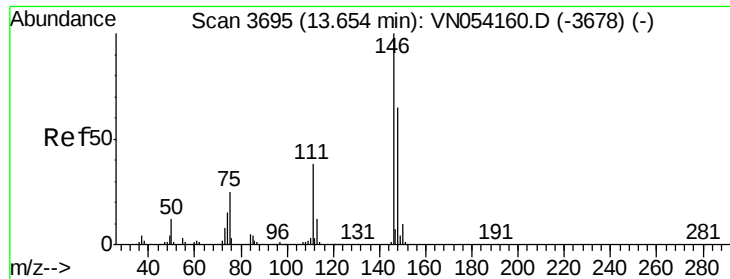
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054406.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054406.D (-3763) (-)

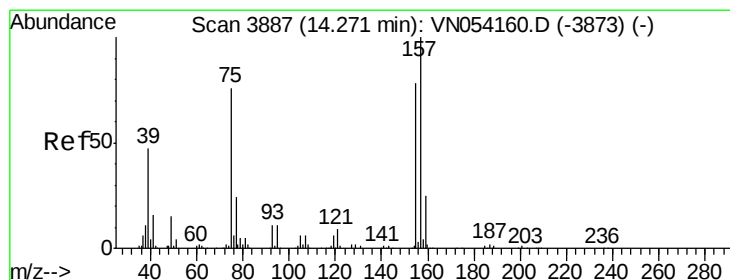
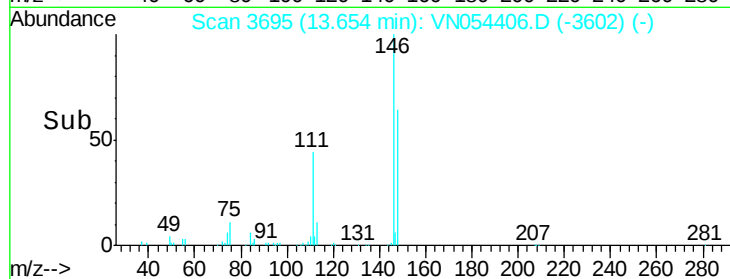
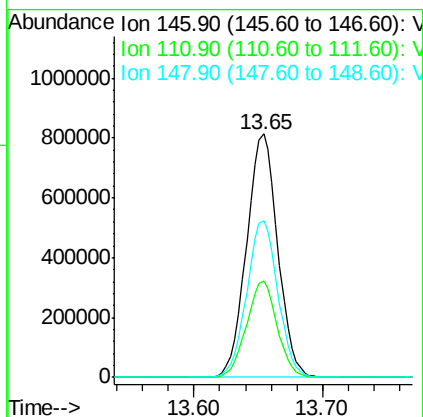
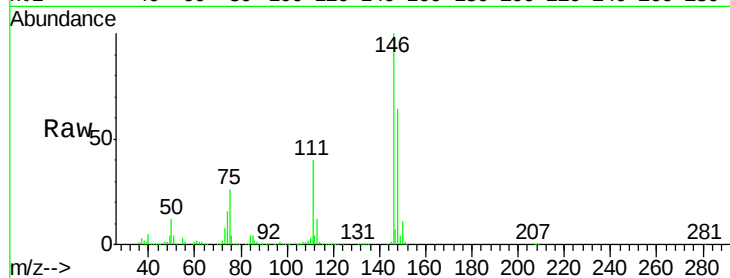
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 53.019 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

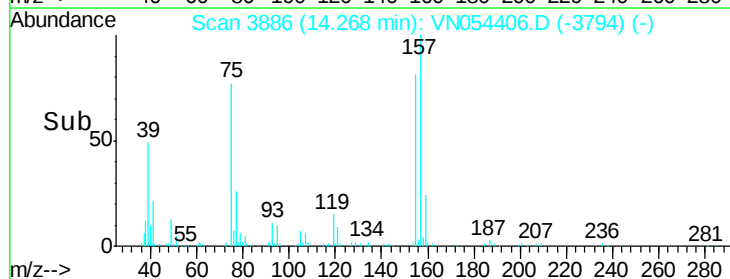
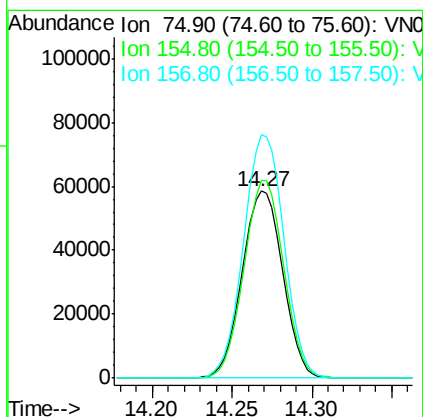
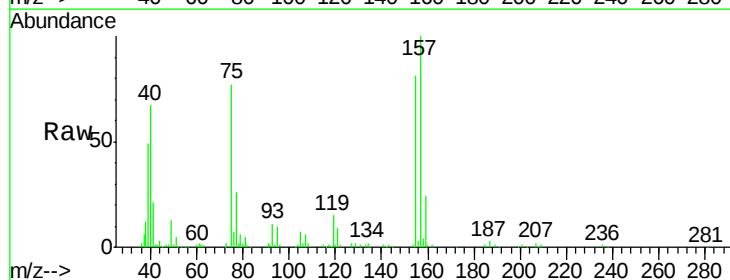
Instrument :
 MSVOA_N
 ClientSampled :

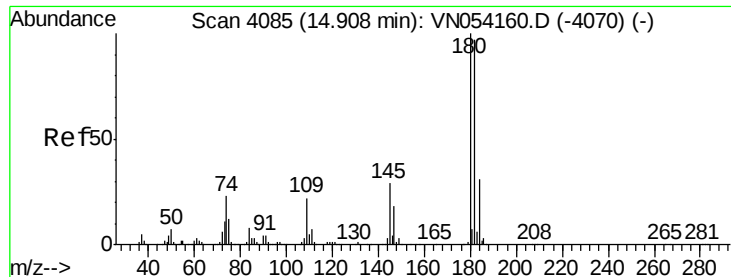
Tot Ion:146 Resp: 1367083
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.3
 148 64.4 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.069 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 75 Resp: 101546
 Ion Ratio Lower Upper
 75 100
 155 103.4 50.1 150.3
 157 129.5 63.1 189.3

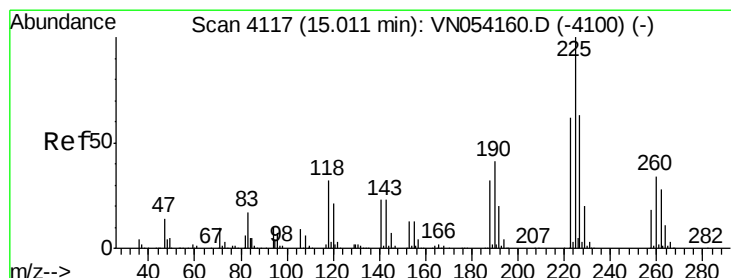
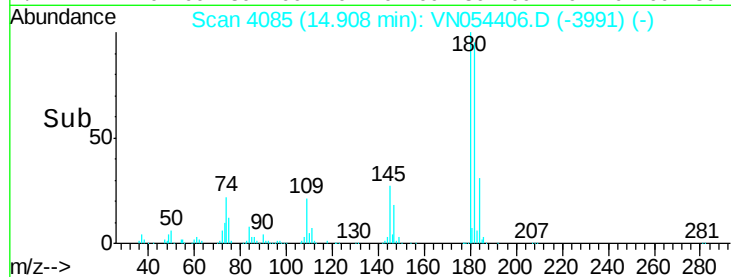
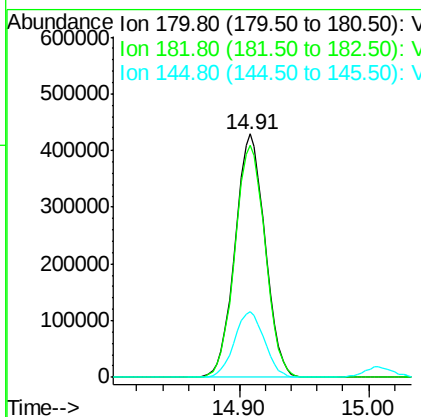
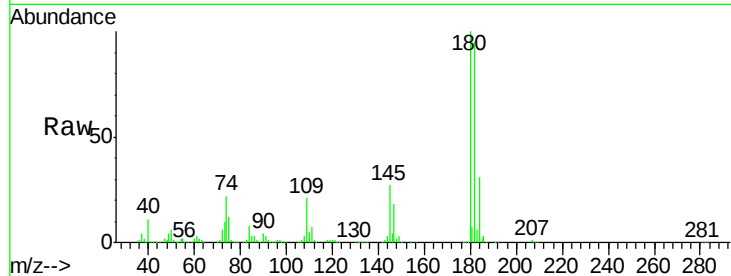




#93
 1,2,4-Trichlorobenzene
 Concen: 44.670 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

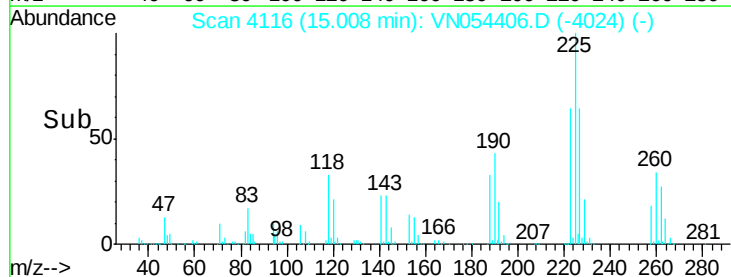
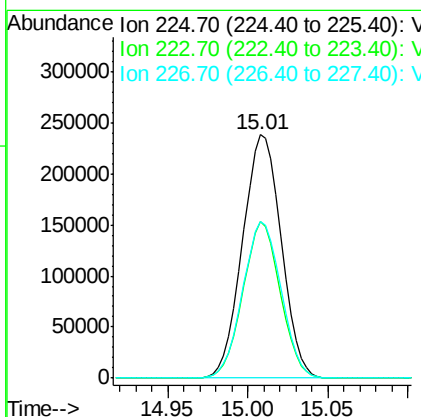
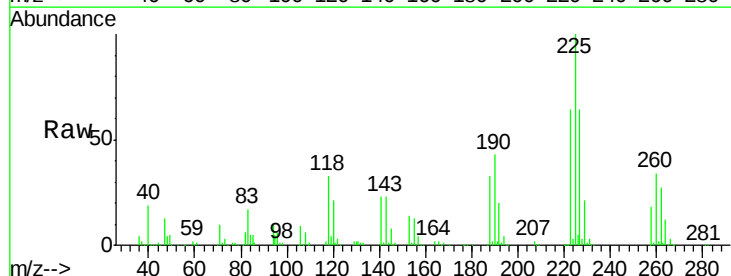
Instrument :
 MSVOA_N
 ClientSampled :

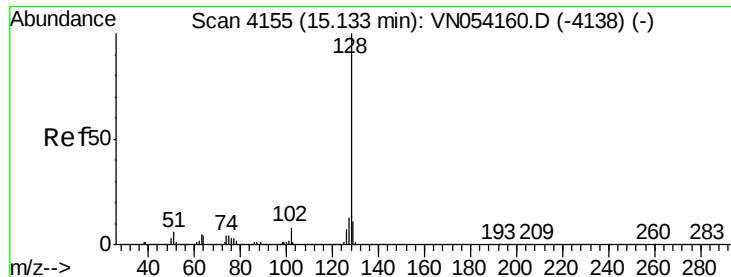
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	27.3	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 40.212 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.5
227	63.9	31.9	95.9





#95

Naphthalene

Concen: 46.333 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

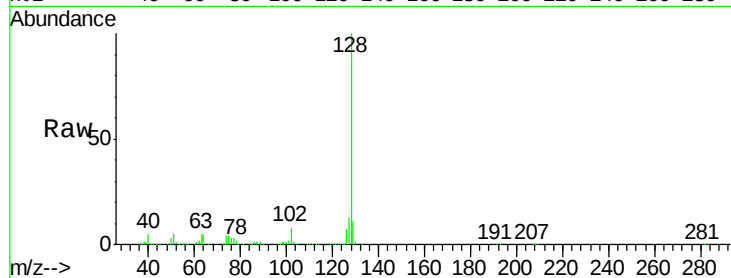
Tot Ion:128 Resp: 1493639

Ion Ratio Lower Upper

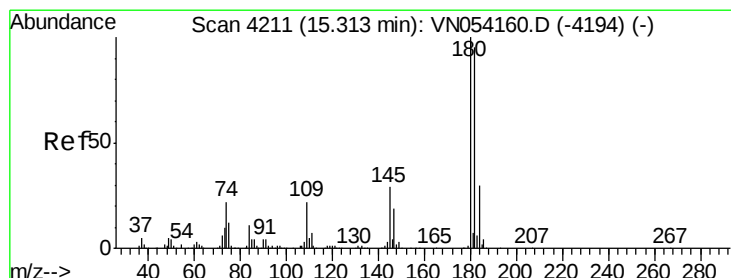
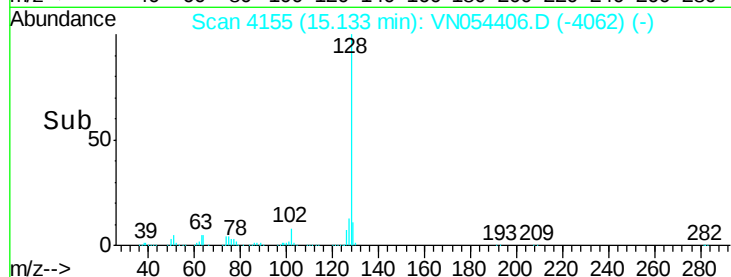
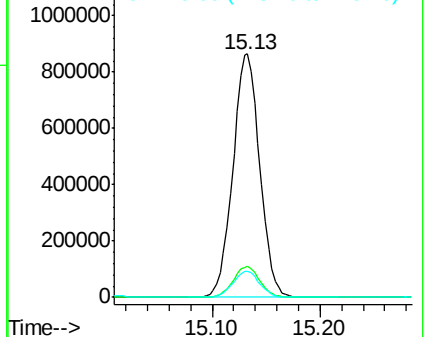
128 100

127 12.7 10.1 15.1

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.584 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

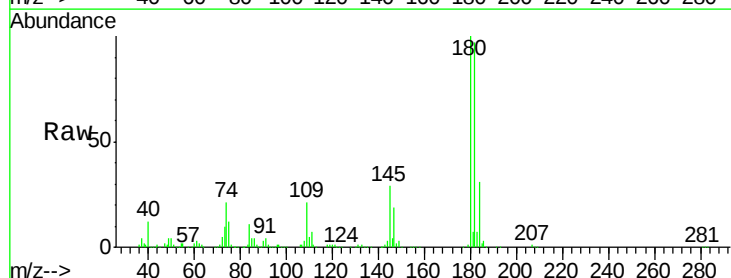
Tgt Ion:180 Resp: 693003

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.6

145 29.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

